

# PowerLOG Overview To TACOM

5/9/06

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# U.S. Army Materiel Command



**NEED TO BE FASTER, MORE AGILE, LESS BUREAUCRATIC - NEED TO FIGHT THIS EVER**

# Life Cycle Management Integration



- **LSA (MIL-STD-1388-1) was developed to insure logistics was designed into weapon systems when they were developed.**
- **LSAR (1388-2B) provided a standard data format integrating the following:**
  - **Operations and Maintenance Requirements**
  - **Reliability, Availability, and Maintainability**
  - **Failure modes, effects and criticality analysis**
  - **RCM**
  - **Task Analysis (Tools, Spare Parts, Task Steps, TM)**
  - **Item Identification (Cataloging, CAGE/Ref #/NSN)**
  - **Part Application (Provisioning, PLISN)**
  - **Transportability**
  - **Personnel (Skills, Training)**
  - **Support Equipment**
  - **Unit Under Test**
  - **Facility**
  - **Packaging**
  - **Drawings**



# PowerLOG-J Software



- **JAVA**
  - **Client/Server and embedded (stand alone)**
  - **It works across all Operating Systems (Windows, Mac OS X, Linux, HP, AIX, Solaris, etc.)**
  - **Works with JDBC compliant RDBMS (Oracle, DB2, PostgreSQL, Firebird, Derby)**
  - **Free Open Source RDBMS (PostgreSQL, Firebird, Derby)**
  - **Uses Web Browser and Adobe Reader to display reports**
- **PowerLOG is Free to all US Government and US Industries**
- **Designed and built as a no cost solution for an integrated environment**



# PowerLOG-J



- **Satisfies Logistics Management Information Requirements (LMI/LSAR)**
  - **Converts/Loads Exports A Variety Of Data Formats:**
    - **Import: 2B Data, Provisioning Master Record (PMR) (1552), 2A 036, 2B 036.**
    - **Export: 2B 036 Report Feeding Into PMR**
    - **Export: Integrated Logistics Management Information**
- **Produces 43+ Output Reports**
  - **Provisioning - Bill Of Materials, Provisioning Parts List, Etc.**
  - **Technical Manual - Maintenance Allocation Chart, Repair Parts And Special Tools List, Task Analysis, Etc.**
  - **XML Output Capabilities**
  - **Others - Manpower Requirements, Reliability Centered Maintenance, Etc.**
- **Data Integration**
  - **Reliability, Availability, And Maintainability, Support Equipment, Item Identification, Provisioning, Operations And Maintenance Requirements, Transportability, Personnel, Task Analysis, Unit Under Test, Facility, Packaging**
  - **Used By Many Government And DOD Agencies**

**SAMC LOGSA--Supporting Warfighters Global**

**2800  
+  
Users**



# Who is using powerLOG and why?

- **Government Users**

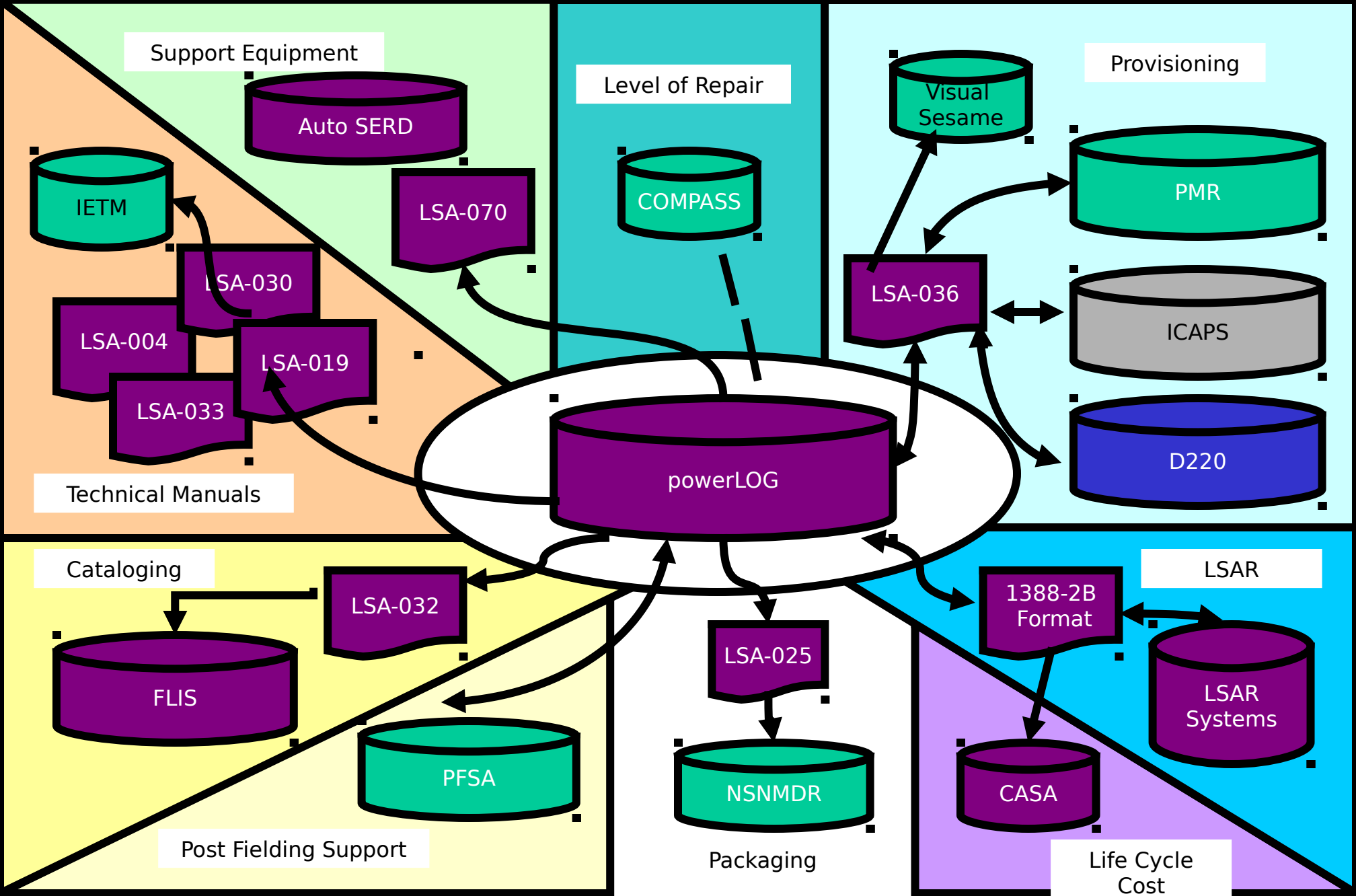
- **Program Management offices and other government agencies**
  - Review contractor submittals (edits, reports, GUI, ad hoc queries)
  - Send data to downstream systems (wholesale, tech manual, etc.)
- **Army Major Subordinate Commands**
  - Data cleansing on the legacy data.
    - Seeing more of this being done
- **Defense Logistics Information Service (DLIS)**
  - Review Provisioning Files/Convert data to Excel format

- **Contractor/Original Equip. Manufacturer (OEM) Users**

- Develop an integrated logistics database
- Provide Integrated Logistics Support (ILS) /LSA /LMI contract deliverables (BOMs, RPSTLs, Provisioning Data, TM data, etc).
- Integration into Company's ERP

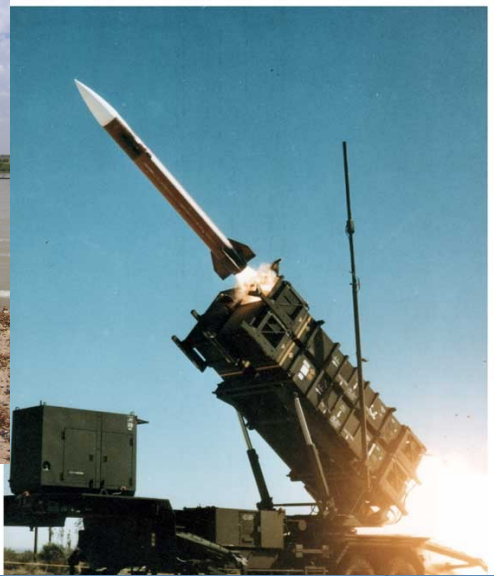
**SAMC LOGSA--Supporting Warfighters Global**

**2800**  
**+**  
**Users**



**SAMC LOGSA--Supporting Warfighters Globally**









# PowerLOG Support to PEO CS&CSS



- **Many Users Throughout PEO Utilizing PowerLOG-J**
- **Provided Previous Training at Huntsville, Warren, AM General and Oshkosh (FHTV) Facilities**
- **Provided Training in Sep 05 for PEO CS&CSS Support Warren and Huntsville**
- **TACOM installs Client Server to be used as a tool for MAC Chart update to 2 Levels of Maintenance**
- **PowerLOG Survey Comments From Related PMs are Listed on Following Charts**





# PEO CS&CSS Program Comments



- **HMMWV, M939 5-Ton, M44A2 2 1/2-Ton, M915 10-Ton, Improved Ribbon Bridge, Rapidly Emplaced Bridge**
  - Ken Reeves, AM General: “PowerLOG has replaced legacy software, save dollars, and given us more control producing our technical manuals.”
- **Lightweight Water Purifier**
  - Doug Barclay, MECO comments: PowerLOG has “improved data quality and traceability, reduced manpower, and is used in conjunction w/ legacy software.”
- **Watercraft**
  - Randy Arends - ProSoft, “The Army edits save time and money by allowing us to correct most issues before we deliver to our customer.”
- **Tactical Bridges**
  - H. P Phillips, TACOM, “Contractor Submitted Data Quality has Increased” using powerLOG.
- **FMTV**
  - Stewart and Stevenson
    - Pete Crawford, comments: “There has been a savings of dollars for support of software, the edit checks have improved the quality of our products, and there is an ease of generating reports.”
    - Chadwick Anderson comments: The use of powerLOG “Saved man power” on the FMTV program.



# Within the last 6 Weeks



- **Marine Corps Command Adopts PowerLOG-J will use for all acquisitions**
  - Over 100 Marine Corps personnel
  - All Material Developers for Marine Corps
- **New Army programs**
  - FCS will offer PowerLOG-J as system to use for Logistics Data documentation.
  - Extended Range Multi-Purpose UAV/Warrior UAV
  - Armed Reconnaissance Helicopter
- **SOFSA** (If I told you I would have to kill you)
- **NAVAIR meeting 4 May 2006.**
  - Looking to adopt powerLOG as their Logistics Data Tool.
- **NAVSEA**
  - Setting up meeting date
- **DLA, Meeting 10 May 2006**
  - DOD Provisioning Desk
- **NASA, 24 Apr 2006**
  - CLV Development
  - Project Constellation



# PowerLOG Successes

- *"PowerLOG, being very similar to the Navy I-CAPS (but with a greater impact), is used to help us keep the Coast Guard supply Support and Provisioning system on the leading edge..... I have been working with LOGSA for quite some time. Back to 1388-2 (A)MRSA. Every organization should be following your lead", Dennis Clark, WRSystems LTD*
- *"We have significantly cut data entry/analysis time already (using powerLOG), and have greatly improved the speed at which we can bring others up to speed on the LSA process. This will enhance our ability to meet our cost and schedule for this and future programs....The software and helpdesk is leaps-and-bounds above the others I've used for LSA." Suzanne C. Carrillo, Teledyne Brown Engineering, Global Missile Defense (GMD)- GBI Orbital Boost Vehicle program*
- *"Allowed us to complete our first provisioning effort. Without it I don't know how we would've done it." Glenn Dindinger, SFA Inc., Frederick Manufacturing Division*
- *"Replaced Legacy Software, saved dollars on buying another COTS software package." Steven A. Matthews, Sr., SBCCOM*
- *"It provides a quick, easy to view LSAR data generated by other applications. It is easy to use and has a visibility that other applications lack." Lou Rizzo, Lockheed Martin*



Taken from AM General's 2005 powerLOG  
Users' Group Conference



In early 2000, AM General was awarded a contract supporting the development and deployment of the Improved Ribbon Bridge (IRB). Mobility requirements identified prior to the start of "Operation Iraqi Freedom" required us to accelerate our support for fielding this critical system.

Our ILS team surged to meet this challenge...nine months ahead of schedule!

**Our use of PowerLOG-J played a major part in meeting this accelerated schedule.**

**SAMC LOGSA--Supporting Warfighters Global**





# AM General Corporation

MOBILITY SOLUTIONS FOR THE 21ST CENTURY



Taken from AM General's 2005 powerLOG Users' Group Conference

- In our current PowerLOG-J database AM General has a total of 11 active systems under contract that total over 46,000 line items. The largest system we have in PowerLOG-J is the High Mobility Multi-Purpose Vehicle (HMMWV) which contains over 18,000 line items.
- Using PowerLOG-J, we have produced a variety of LSAR reports tailored to the customer's requirements for use during Provisioning conferences. If needed, changes are made on the spot during the conference to enhance product delivery. **From day one, all of our LSAR deliverables have been accepted by TACOM** for new and existing items that are being applied to our Soldier's vehicles and component systems.
- AM General's objective is to provide complete and accurate LSAR products to our customers for their **Provisioning and Technical Manual** requirements. **This is the product our Soldiers use daily** to keep the equipment maintained in order to carry out a successful war and peace time mission.
- **Without PowerLOG-J, most of these tasks become difficult to achieve for our customers' requirements.**

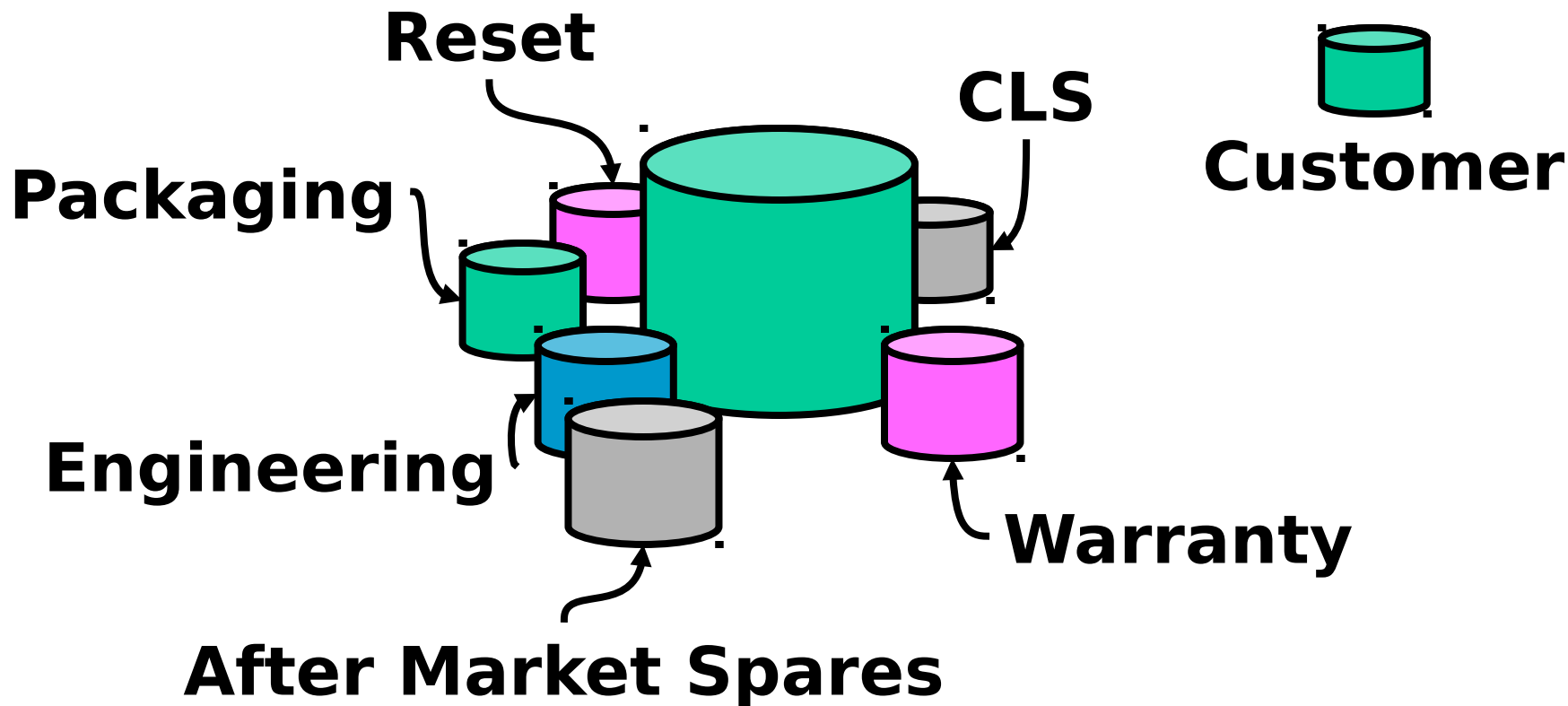
**SAMC LOGSA--Supporting Warfighters Globally**



# Stewart and Stevenson



Taken from 2005 powerLOG Users' Group Conference



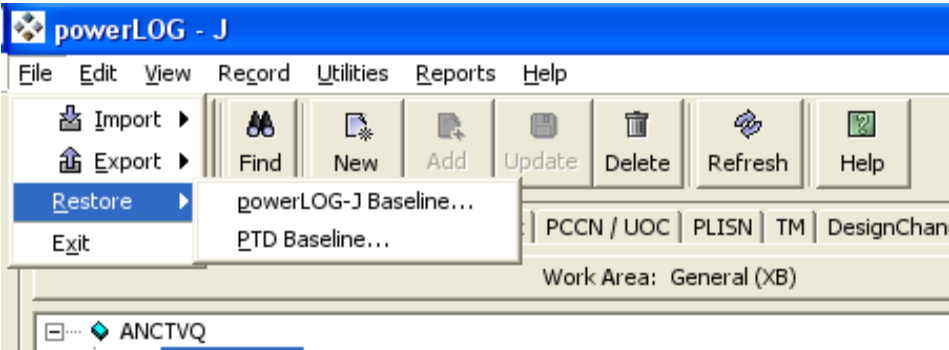
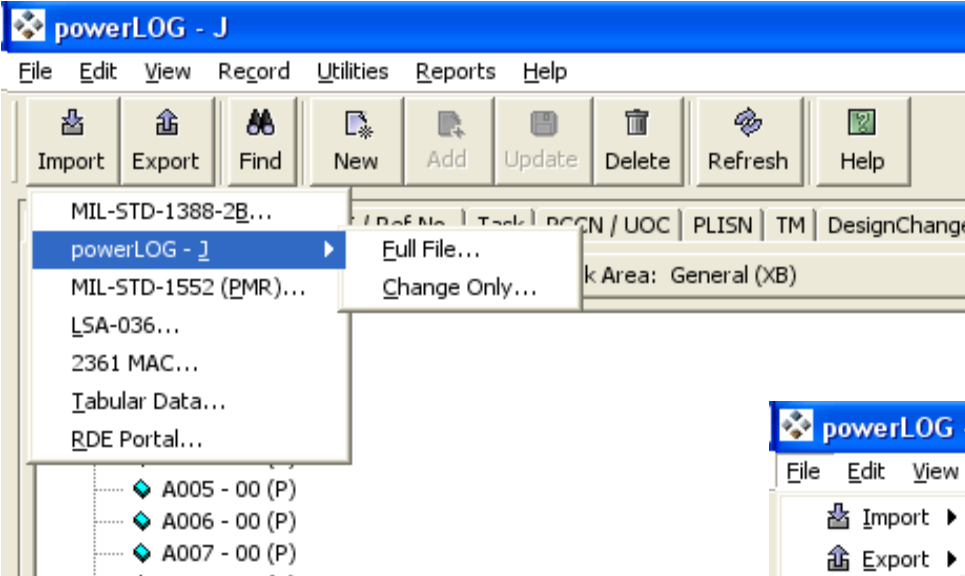


# Power Point Software

## PowerLOG-J Screen Shots



# Select Import Format







# MIL-STD-1552 Formatted File



```
1552_WIDGET - Notepad
File Edit Format Help
HDUMMYAAAA A00000BEST-POLS-MODEL1A33MODEL-TEST-POLS 000100002EAXDODDA 01A
HDUMMYAAAA 000002345 B 02A
HDUMMYAAAA 00000MODEL-TEST-POLS A3 03A
HDUMMYAAAA 00000333333 B 04A
HDUMMYAAAA 9999923333 C 05A
HDUMMYAAAA 999998888888888888888888A 07A
HDUMMYAAAA 9999955555555555555555B 08A
HDUMMYAAAA TTT 000001000010A00600000000002 01B
HDUMMYAAAA REFERENCE-DESIGNATION-AAAA 9C U POLS TEST 01C
HDUMMYAAAA AAAA 01020 7010 11111 01D
HDUMMYAAAA ECO 123 TW AACR 01E
HDUMMYAAAA ED100 01G
HDUMMYAAAA MODEL RECORD EST. FOR TEST PURPOSE ONLY 01L
HDUMMYAAAA ANOTHER L CARD FOR TEST PURPOSES 02L
HDUMMYAAAA B23FGNO 011 ZZ 2901265-72 1 01M
HDUMMYAAAA B24FGNO 012 XX 02M
HDUMMYAAAA B25FGNO 013 AA 03M
HDUMMYAAAA B26FGNO 014 BB 04M
HDUMMYAAAA B27FGNO 015 CC 05M
HDUMMYAAAB A00000POLS-TEST MODEL-A3 MODEL-TEST-POLS-2B 000100001EAPAODDA 01A
HDUMMYAAAB 000002B B 02A
HDUMMYAAAB TES 000001000010A00600000000100 01B
HDUMMYAAAB 9 01C
HDUMMYAAAB AAAB 01026 6509 11111 01D
HDUMMYAAAB TEST 01E
HDUMMYAAAB MODEL RECORD FOR TEST PURPOSES ONLY 01L
HDUMMYAAAC AAAA002U 3 POLS-TEST-C2U 000100001EAPAODDA 01A
HDUMMYAAAC LEW 000010000020A 060000000254 01B
HDUMMYAAAC 231710 50 11111 01D
HDUMMYAAAC JIMTEST 01E
HDUMMYAAAC REPAIR PARTS IS FOR POLS TEST MODEL C2U 01L
HDUMMYAAAD A32459FLOYD AND LAJUANA43ANDREA RENE GREGORY000100001LBPAOZZA 01A
HDUMMYAAAD 32459NA JORDAN B 02A
HDUMMYAAAD F BIL AAAD 000001000002A109999999999999001000001 01B
HDUMMYAAAD THIS IS A NICE PERSON MOST OF THAA AC11 1 TIME BUY 01C
HDUMMYAAAD E TIME ? B 02C
HDUMMYAAAD 9005 0500509 TT11112W 01D
```



# Select Import Format



powerLOG - J

File Edit View Record Options Utilities Reports Help

Import ▾ MIL-STD-1388-2B...  
Export ▾ powerLOG - J...  
Exit

Facility LSA-036

PCCN / UOC PLISN TM DesignChange

EIAC Indentured Item CAGE / Ref No. Task

Work Area: End Item Acronym Code

T850

General Supply Level of Repair

Key  
End Item Acronym Code (EIAC) T850

Contract Number DAAAK-42167-91

LCN Structure 12222222

Type Acquisition R - RDT&E



# Import Options

**PMR Import**

**PCCN** **LCN** **Advanced LCN/ALC** **Other** **Table Options**

PCCN: HDUMMY EAC: WIDGET

UOC Import Option

UOC	Import
TTT	<input checked="" type="checkbox"/>
TES	<input checked="" type="checkbox"/>
LEW	<input checked="" type="checkbox"/>
BIL	<input checked="" type="checkbox"/>
PUB	<input checked="" type="checkbox"/>

Database Options

☐ Initialize powerLOG Database ☐ Initialize PTD Baseline

☐ Create powerLOG Baseline ☐ Create PTD Baseline

PMR L-Card Type

☐ 2A ☒ 2B

Import Cancel Help



# Import - Structure Options

**PMR Import**

**R** PCCN **R** LCN **O** Advanced LCN/ALC **O** Other **O** Table Options

LCN Assignment

☒ Create LCNs based on the PLISN ☐ Use 83/L-Card LCNs

☐ Assign LCN value to equal the PLISN value

ALC to UOC Mapping

PCCN	PLISN	ALC	UOC
HDUMMY	AAAA	00	TTT
HDUMMY	AAAB	01	TES
HDUMMY	AAAC	02	LEV
HDUMMY	AAAD	03	BIL
HDUMMY	AAAE	04	PUB

LCN Options

Maximum Provisioning IC J

LCN Structure  Required LCN Structure Length 10

Starting LCN IC  Starting LCN

LCN Gap

LCN Assignment Type

Import Cancel Help





# Import - Other Options



**PMR Import**

**PCCN** **LCN** **Advanced LCN/ALC** **Other** **Table Options**

**NSN Conversion**

☒ All  
☐ None  
☐ Non-MCN

**PMR to IMC**

☐ 01/C-Card  
☒ 84/L-Card

**Miscellaneous**

Degree of Protection Code: **Level A**

☐ Convert \* Indenture Codes  
☒ Move 6th position of SMR to Demilitarization Code  
☒ Map 01M-Card TM data to Reference Designation  
☐ Overwrite HG table and below with A-Indentured item data

Save Error Log File As: **\\nple Data\1552\_WIDGET\_log.html**

**PTD Selections**

Select the Provisioning Technical Documentation codes to apply to all items in the import file.

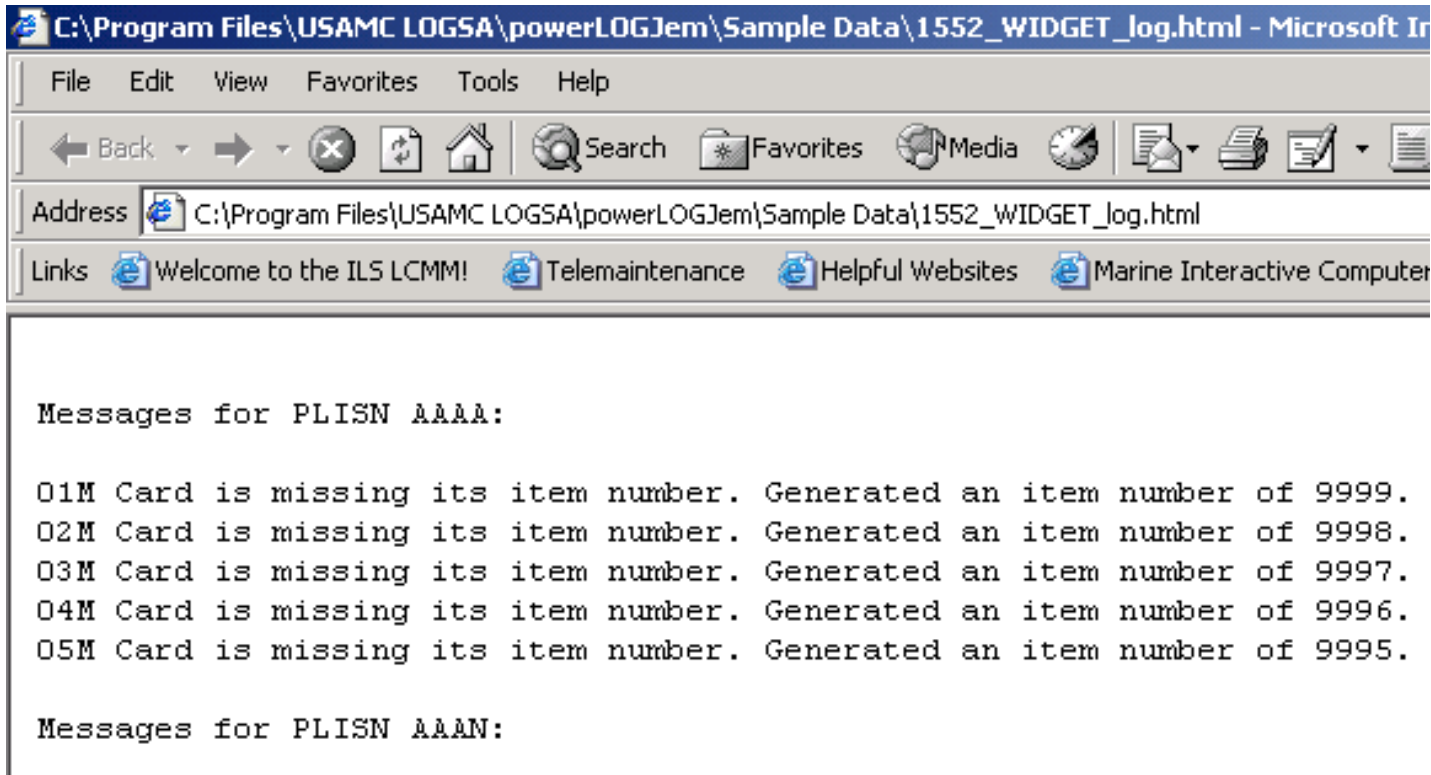
☒ Provisioning Parts List  
☐ Short Form PPL  
☐ Long Lead Time Items List  
☐ Repairable Items List  
☐ Interim Support Items List  
☐ System Configuration Provisioning List

☐ Tools and Test Equipment List  
☐ Common and Bulk Items List  
☐ Post Conference List  
☐ As Required, List A  
☐ As Required, List B

**Import** **Cancel** **Help**



# Import Errors



# GUI “One-to-many” Relationships



powerLOG - J

File Edit View Record Utilities Reports Help

Import Export Find New Add Update Delete Refresh Help

PLISN TM DesignChange Facility Skill Job Drawing  
 EIAC Indentured Item CAGE / Ref No. Task PCCN / UOC

Work Area: Provisioning > Part Application (HG)

CAGE	Ref. No.
64643	LH50192
64643	LH50193
64643	LH50280
64643	LH50281
64643	LH50310
64643	LH50310-09
64643	LH50310-12
64643	LH50310A
64643	LH50392
64643	LH50393
64643	LH50402
64643	LH50477
64643	LH50480
64643	LH50481
64643	LH50487
64643	LH50501
64643	LH50507
64643	LH50512
64643	LH50513
64643	LH50516
64643	LH50524
64643	LH50528
64643	LH50529
64643	LH50546
64643	LH50547
64643	LH50550
64643	LH50576
64643	LH90031
64643	LH90062
64643	LH90077
64643	LH90095
64643	LH90102
64643	LH90107
64643	LH90112
64643	LH90150
64643	LH90191
64643	LH90212
64643	LHT0654
64643	LHT9027
64643	LHX0123
64643	MA3338-5008
68524	DCT7900P4A2

One Part

EIAC	LCN	ALC	Item Name
JAYY	LEAA0309	00	NUT,SELF-LOCKING
JAYY	LEAA03AC0103	00	NUT,SELF-LOCKING
JAYY	LEAA03AC0103	01	NUT,SELF-LOCKING
JAYY	LEAA09AA00	00	NUT,SELF-LOCKING

Many applications

General PTD MTD/RTD/RCT First Appearance Misc.

Key

CAGE Code 64643

Ref No. LH90191

EIAC JAYY

LCN LEAA0309

ALC 00

LCN Type P - Physical

PLISN AADT

Prior Item PLISN

Indenture Code C

Maintenance Action Code

Max. Allowable Operating Time

Essentiality Code 3

Line Replaceable Unit (LRU)

SMR Code PAFZZ

Quantity Per Assembly (QPA) 0006

MRR 1 0.1234

MRR 2 0.234

MRR Modifier 111111

Work Unit Code

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Facility	Skill	Task	Description
PCCN / UOC	Person	Item	Design/Change
EIAC	Indentured Item	CAGE / Ref No.	Task

Work Area: Sequential Subtask Description (CC)

LCN	ALC	Task Code	Task ID
012720	00	AGOACAA	INSPECT O...
012720	00	CPOAGAA	MONTHLY ...
012720	00	NGOAGAA	FAULT LOC...
0300	00	CCOXCAA	REPLENISH...
030020	00	AMOXCAA	INSPECT A...
030030	00	AGOACAA	INSPECT T...
LEAA	00	JGOAAAE	R/R FRT O...
LEAA	00	JGOAAAF	R/R OIL TA...
LEAA	00	JGOAGAA	R/R GAS G...
LEAA	00	NGLAGAA	FAULT LOC...
LEAA	00	PGOAFAA	LUBRICAT...
LEAA	01	JGOAAAE	R/R FRT O...
LEAA	01	JGOAAAF	R/R OIL TA...
LEAA	01	JGOAGAA	R/R GAS G...
LEAA	01	NGLAGAA	FAULT LOC...
LEAA	01	PGOAFAA	LUBRICAT...
LEAA01	00	JGOAAAE	REPAIR GE...
LEAA01EA	00	JGOAAAA	REPAIR GE...
LEAA01GA05	00	HGOAAAC	R/R FUEL P...
LEAA01GA05	00	JGFAAAA	REPAIR FU...
LEAA01GA05	98	HGOAAAF	R/R FUEL P...
LEAA01GA05	98	JGFAAAB	REPAIR FU...
LEAA01GA05	99	HGOAAAG	R/R FUEL P...

General

Key

End Item Acronym Code (EIAC) JAYY

LSA Control Number (LCN) LEAA

Alternate LCN Code (ALC) 00

LCN Type P - Physical

Task Code JGOAAAE

Subtask Number 001

Element Indicator E - Task Element

Sequential Subtask Description

**b***i*u~~S~~ $S^{\text{up}}$  $S_{\text{ub}}$ 

USING 7MM SPLINE SOCKET, 6 INCH EXTENSION AND 1/4<sub>INCH</sub> DRIVE RATCHET,  
REMOVE TWO SPLINE BOLTS SECURING FRONT OIL TANK BRACKET ASSY TO FRONT FRAME ASSY.  
**SET BOLTS ASIDE FOR REUSE.**



powerLOG - J

FileEditViewRecordUtilitiesReportsHelp

ImportExportFindNewAddUpdateDeleteRefreshHelp

EIAC

PLISN

Indentured Item

TM

CAGE / Ref No.

DesignChange

Task

Facility

PCCN / UOC

Drawing

Work Area: Provisioning > Parts Manual (HK)

Code

Number

RP1

TM55-2840-950-20P

TM1

TM55-2840-950-20

TM4

TM32-5865-765-15&P

CAGE	Reference Number	EIAC	LCN	ALC	Figure No.	Item No.	TM FGC	Item Name
64547	2118539	JAYY	LEAA05AA	00	1	1	00	CONTROLLER ASSY
64547	2118539A	JAYY	LEAA05AA	01	1	1	00	CONTROLLER ASSY
64547	S9597M5Y	JAYY	LEAA05AA01A2	00	2	1	01	LABEL,CAUTION
96906	MS3368-1-98.1991/003	JAYY	LEAA05AA01AX	01	3	1	02	STRAP,TIEDOWN,ELECT
64547	2123463	JAYY	LEAA05AA00	00	1	1A	00	CUSHION,FRONT (ECMO
64547	2123463	JAYY	LEAA05AA00	01	1	1A	00	CUSHION,FRONT (ECMO
68524	DCT7900P4A2	JAYY	LEAA05AA00	00	1	1B	00	SCREW,CAPTIVE
68524	DCT7900P4A2	JAYY	LEAA05AA00	01	1	1B	00	SCREW,CAPTIVE
64547	2123497	JAYY	LEAA05AA00	00	1	1C	00	PLATE,IDENTIFICATIO
64547	2123497A	JAYY	LEAA05AA00	01	1	1C	00	PLATE,IDENTIFICATIO
64547	2122050-A01	JAYY	LEAA05AA01AT	01	3	2	02	SCHEMATIC
64547	2123254	JAYY	LEAA05AC	00	1	2	00	HARNESS ASSY, INTER
64547	2123254A	JAYY	LEAA05AC	01	1	2	00	HARNESS ASSY, INTER
64547	944454	JAYY	LEAA05AA01AD	00	2	2	01	FLEX CIRCUIT
64547	805986	JAYY	LEAA05AE	01	1	3	00	TRANSDUCER, PRESSUR
64547	M55302/63L-A605	JAYY	LEAA05AA01AH	00	2	3	01	CONNECTOR
64547	S9051-22	JAYY	LEAA05AA01AP	01	3	3	02	INSULATION SLEEVING
64547	944495	JAYY	LEAA05AA01	00	1	4	00	MODULE, POWER SUPPL
64547	944BCDA	JAYY	LEAA05AA01	01	1	4	00	MODULE, POWER SUPPL

Parts Manual Description

Key

Commercial and Government Entity (CAGE) Code

64547

Reference Number

2118539

End Item Acronym Code (EIAC)

JAYY

LSA Control Number (LCN)

LEAA05AA

Alternate LCN Code (ALC)

00

LCN Type P

TM Code

TM4

Figure Number

1

Item Number

1

TM FGC (Repair Parts Manual)

00

TM Indenture Code

Quantity per Figure

TM Change Number

EIAC	Indentured Item	CAGE / Ref No.	Task	PCCN / UOC
PLISN	TM	DesignChange	Facility	Skill Job Drawing

Work Area: Parts Manual (HK)

PCCN HST80B Set Filter View As List

- ◆ HST80B
  - ◆ AAAA
    - ◆ AAAJ
      - ◆ AAAK
        - ◆ AAAL
        - ◆ AAAM
        - ◆ AAAAN
        - ◆ AAAAP
        - ◆ AAAQ
        - ◆ AAAAR
      - ◆ AAAS
        - ◆ AAAT
        - ◆ AAAU
        - ◆ AAAV
      - ◆ AAAW
        - ◆ AAAX
        - ◆ AAAY
        - ◆ AAAZ
        - ◆ AABA
        - ◆ AABBB
        - ◆ AABC
        - ◆ AABD
      - ◆ AABE
        - ◆ AABF
          - ◆ AABG
          - ◆ AABH
          - ◆ AABJ
        - ◆ AABK
          - ◆ AABL
            - ◆ AABM
              - ◆ AABN
              - ◆ AABP
              - ◆ AABQ
          - ◆ AABR
            - ◆ AABS
            - ◆ AABT
            - ◆ AABU
        - ◆ AABV
          - ◆ AABW
          - ◆ AABX
          - ◆ AABY
          - ◆ AABZ
          - ◆ AACA
          - ◆ AACB

TM Code	Figure No.	Item No.	TM FGC	Item Name
RP1	2	3	01	BEARING,BALL
RP1	3	16	02	BEARING,BALL

## Parts Manual Description

## Key

Commercial and Government Entity (CAGE) Code 64643

Reference Number LH10027

End Item Acronym Code (EIAC) JAYY

LSA Control Number (LCN) LEAA01EA03

Alternate LCN Code (ALC) 00

LCN Type P

TM Code RP1

Figure Number 2

Item Number 3

TM FGC (Repair Parts Manual) 01

TM Indenture Code 2

Quantity per Figure 012

TM Change Number



# PowerLOG Output Products

## Maintenance Planning

001 Annual Man Hours by Skill Specialty Code and Level of Maintenance...  
003 Maintenance Summary...  
006 Critical Maintenance Task Summary...  
008 Support Items Validation Summary...  
011 Requirements For Special Training Devices...  
023 Maintenance Plan Summary...  
024 Maintenance Plan...  
065 Manpower Requirements Criteria (MARC)...  
077 Depot Maintenance Interservice Data Summary...

## Reliability

050 Reliability Centered Maintenance Summary...  
056 Failure Mode, Effects, and Criticality Analysis (FMECA)...  
058 Reliability and Maintainability Analysis...

## Technical Manual Related

004 Maintenance Allocation Chart...  
018 Task Inventory Summary...  
019 Task Analysis Summary...  
020 Task Narrative...  
030 Repair Parts and Special Tools List...  
033 Preventive Maintenance Checks and Services...  
040 Authorization List Items Summary...

## Configuration Control/ Provisioning

010 Parts Standardization Summary...  
026 Packaging Developmental Data...  
032 Defense Logistics Information Service (DLIS) Submittals...  
036 Provisioning Technical Documentation...  
037 Spares and Support Equipment Identification List...  
039 Critical and Strategic Item Summary...  
046 Nuclear Hardness Critical Item Summary...  
078 Hazardous Material Summary...  
080 Bill of Materials...  
151 Provisioning Parts List Index...  
152 PLISN Assignment/Reassignment...  
154 Provisioning Parts Breakout...  
155 Recommended Spare Parts List...

## Other Logistics Reports

009 Support Items Validation...  
012 Facility Requirements...  
013 Support Equipment Grouping Utilization Summary...  
014 Training Task List...  
070 Support Equipment Recommendation Data (SERD)...  
075 Consolidated Manpower, Personnel, and Training...  
085 Transportability Summary...  
126 LCN/PCCN Indenture Structure Tree...

Back Forward Stop Home Search Favorites History Print Copy Paste Address Go Links >>

File Edit View Favorites Tools Help

Address D:\Working\JavaDevelopment\powerLOGJ\lsar030.xml

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- <repair_parts_fg_grouping>
- <repair_parts_bodyrow>
  <item_number>1</item_number>
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  <quantity>0001</quantity>
  <figure_number>1</figure_number>
  <fgc>00</fgc>
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  <pccn>RLH850</pccn>
  <plisn>A001</plisn>
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  <cage_code>64547</cage_code>
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  <figure_number>1</figure_number>
  <fgc>00</fgc>
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  <pccn>RLH850</pccn>
  <plisn>A013</plisn>
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Done

My Computer

Start In... R... Fo... po... po... Ou... Ex... Re... Po... D... D... N... 2:50 PM



# HTML Output



LSAR-030 Indentured Parts List Report Summary - Microsoft Internet Explorer provided by Provided By LOGSA

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print View Source

Address C:\Program Files\USAMC LOGSA\powerLOGJem\report\lsar030.html Go Links

P/O 2

TPC-5547-011A

Item Number	SMR Code	National Stock Number	Cage Code	Part Number	Description and Usable On Code (UOC)	Quantity	Figure Number	FGC	PLCC	PCCN	PLISN
1	PAFZZ	6750-01-209-8765	11599	109845	SLEEVE, FILTER DRAIN	0001	3	02		H5T80B	AAAX
2	PAFZZ		11599	110409	KNOB, FILTER DRAIN	0001	3	02		H5T80B	AAAY
3	PAFZZ	2867-01-733-2876	11599	110419	VALVE, FILTER DRAIN	0001	3	02		H5T80B	AAAZ
4	PAFZZ		11599	110504	FILTER BOWL AND IND	0001	3	02		H5T80B	AABA
5	PAFZZ		11599	110386	RELIEF VALVE ASSEMB	0001	3	02		H5T80B	AABB
6	PAFZZ		11599	110387XE1	FILTER BYPASS VALVE	0001	3	02		H5T80B	AABC
7	PAFZZ	1240-01-883-4332	11599	110427	FILTER ELEMENT	0001	3	02		H5T80B	AABD
8	PAFDD	2865-01-238-9675	11599	110323	HOUSING AND INSERT	0001	3	02		H5T80B	AABF
9	PAFZZ	2865-01-765-5597	11599	110295	..HOUSING ASSY, MATCH	0001	3	02		H5T80B	AABG
10	PAFZZ	3420-01-499-3401	11599	110518	..ROTOR AND SPACER AS	0001	3	02		H5T80B	AABH
11	PAFZZ	1260-00-569-9342	81343	AS3265-05	..WASHER, FLAT	0001	3	02		H5T80B	AABJ
12	PAODD		11599	110370XE1	METERING VALVE AND	0004	3	02		H5T80B	AABK
13	PAFDD	2310-00-672-3917	11599	109910	..STPR MTR & PNN ASSY SEE FGC 03, FIGURE 4 FOR BREAKDOWN BEGINNING WITH ITEM 1.	0001	3	02		H5T80B	AABL
14	PAFDD	2840-00-983-2216	11599	109912	..DC MTR & PINION ASS SEE FGC 03, FIGURE 4 FOR BREAKDOWN BEGINNING WITH ITEM 5.	0001	3	02		H5T80B	AABR
15	PAFZZ	8440-01-056-7984	64643	LH10026	BEARING, ROLLER	3	3	02		H5T80B	AAAL
16	PAFZZ	8440-01-055-4397	64643	LH10027	BEARING, BALL	6	3	02		H5T80B	AAAM
17	PAFZZ	3210-01-323-9845	96906	MS51923-187	PIN, SPRING	10	3	02		H5T80B	AABU

Done

Start powerLOG - J LSAR-030 Indentured Par... LSAR-030 Indentured ... sample images Microsoft PowerPoint - [P... My Computer 8:12 AM



# PDF Output Capabilities



Acrobat Reader - [Isar030.pdf]

File Edit Document View Window Help

158%

*Repair Parts List*

Item Number	SMR Code	National Stock Number	Cage Code	Part Number	Description and Usable On Code (UOC)	Group 00 Quantity
1	PBODD	2840-01-563-4983	64643	LH10002	GEARBOX MODULE SEE FGC 01, FIGURE 2 FOR BREAKDOWN OF THIS ITEM.	0
2	XAFDD	2840-01-084-7392	64643	LH10481	GAS GENERATOR MODUL SEE FGC 05, FIGURE 6 FOR BREAKDOWN OF THIS ITEM.	0
3	PAODD	5865-01-056-5448	64643	LH10080	ELECTRONIC CONTROL SEE TM32-5865-765-15&P FOR BREAKDOWN OF THIS ITEM.	0
3	PAODD	5865-01-045-7733	64643	LH10080A	UOC: CE1 ELECTRONIC CONTROL SEE TM32-5865-765-15&P FOR BREAKDOWN OF THIS ITEM.	0
3	PAODD	5865-01-056-5448	64643	LH10080	UOC: CD2 ELECTRONIC CONTROL SEE TM32-5865-765-15&P FOR BREAKDOWN OF THIS ITEM.	0
3	PAODD	5865-01-045-7733	64643	LH10080A	UOC: LX2 ELECTRONIC CONTROL SEE TM32-5865-765-15&P FOR BREAKDOWN OF THIS ITEM.	0
4	PAODD	5520-01-045-9947	64643	LH10577	UOC: LH3 HARNESS ASSY, ENGIN (HCI)	0
5	PAODD	5865-01-098-4568	64643	LH10557	MODULE ASSY, IPS (HCI) SEE FGC 06, FIGURE 7 FOR BREAKDOWN OF THIS ITEM.	0
6	PAFZZ	1100-00-576-9677	64643	LH90062	NUT, SPLINE	0
7	PAFZZ	1010-01-563-4432	64643	LH90095	BOLT, SPLINE	0



# LSAR-030 Indentured Parts List Report Summary

[LOGSA Toolset](#)

Requester: Time: Date:

jl 3:17:40 PM Apr 29, 2005

EIAC	Item Name	Start LCN	ALC	LCN Type	Stop LCN	UOC	TM Code	Technical Manual Designation	Report Format	Kit Option	Operations / Maintenance Levels	Include Drawings in Output
JAYY	ENGINE ASSEMBLY	LEAA		P			RP1	TM55-2840-950-20P	Draft RPSTL (MIL-STD-40051A Format)	MIL-STD-40051-5A Option 1		false

TM FGC

Start FGC Stop FGC

## Cross Reference Indexes

Part Number National Stock Number Reference Designation Figure / Item Number

## Baseline Comparison Legend

Data added since the baseline was created is shaded green.

Data removed from the baseline is shaded red.

Data that has been modified since the baseline was created is shaded blue.

The original data in the baseline, before it was modified, is shaded blue with faded text.

Data that has not changed from the baseline is not shaded.

## Repair Parts List

### Group

00

Item Number	SMR Code	National Stock Number	Cage Code	Part Number	Description and Usable On Code (UOC)	Quantity	Figure Number	FGC	PLCC	PCCN	PLISN
1	PBDD	2840-01-563-4983	64643	LH10002	GEARBOX MODULE SEE FGC 01, FIGURE 2 FOR BREAKDOWN OF THIS ITEM.	0001	1	00		H5T80B	AAAJ
2	XAFO	2840-01-084-7392	64643	LH10481	GAS GENERATOR MODUL SEE FGC 05, FIGURE 6 FOR BREAKDOWN OF THIS ITEM.	0001	1	00		H5T80B	AADN
3	PAOD	5865-01-056-5448	64643	LH10080	ELECTRONIC CONTROL SEE TM32-5865-765-15&P FOR BREAKDOWN OF THIS ITEM. UOC: LX2	0001	1	00		H5T80B	AAGM
3	PAOD	5865-01-045-7733	64643	LH10080A	ELECTRONIC CONTROL SEE TM32-5865-765-15&P FOR BREAKDOWN OF THIS ITEM. UOC: LH3	0001	1	00		H5T80B	AAHB
4	PAOD	5520-01-045-9947	64643	LH10577	HARNESS ASSY, ENGIN (HCI)	0001	1	00		H5T80B	AAGN
5	PAOD	5865-01-098-4568	64643	LH10557	MODULE ASSY, IPS (HCI) SEE FGC 06, FIGURE 7 FOR BREAKDOWN OF THIS ITEM.	0001	1	00		H5T80B	AAGP
6	PAFZ	1100-00-576-9677	64643	LH90062	NUT, SPLINE	0001	1	00		H5T80B	AAGY
7	PAFZ	1010-01-563-4432	64643	LH90095	BOLT, SPLINE	0001	1	00		H5T80B	AAGZ
8	PAOD	5865-01-023-8877	64547	2118539	CONTROLLER ASSY UOC: CE1	0001	1	00		GLH850	A001

### Group

01

Item Number	SMR Code	National Stock Number	Cage Code	Part Number	Description and Usable On Code (UOC)	Quantity	Figure Number	FGC	PLCC	PCCN	PLISN
1	PAOD	2840-00-934-5124	64643	LH10003	GEARBOX ACCESSORY	0001	2	01		H5T80B	AAAK
2	PAFZ	8440-01-056-7984	64643	LH10026	..BEARING,ROLLER	9	2	01		H5T80B	AAAL
3	PAFZ	8440-01-055-4397	64643	LH10027	..BEARING,BALL	12	2	01		H5T80B	AAAM

# Drawings (jpg, gif, png, svg, cgm etc.)



powerLOG - J

File Edit View Record Utilities Reports Help

Import Export Find New Add Update Delete Refresh Help

EIAC Indentured Item CAGE / Ref No. Task PCCN / UOC  
PLISN TM DesignChange Facility Skill Job Drawing

Work Area: Identification (XT)

Drawing ID	Caption	Thumbnail
MPG EXAMPLE		
NASA ENGINE		
PDF EXAMPLE		
STEP1		
STEP2		
STEP3		
STEP4		
SVG EXAMPLE		
SWF EXAMPLE		
TMPGCG 00		

Drawing ID: BI00000

Key:

Extension: cgm

Import Export

Drawing View Full Size Image

C:\Program Files\USAMC LOGSA\powerLOG\Jem\mpFiles\plg31777.cgm

File Edit View Favorites Tools Help

Address: C:\Program Files\USAMC LOGSA\powerLOG\Jem\mpFiles\plg31777.cgm

Valve

Done My Computer

Showing all items

Check out: <http://www.logsa.army.mil/alc/powerLOG-J/>

**SAMC LOGSA--Supporting Warfighters Global**

# LSAR-020 TASK NARRATIVE

powerLOG-J

LOGSA Toolset

Requester: Time: Date:

jl 5:08:53 PM Apr 24, 2006

EIAC	LCN NOMENCLATURE	START LCN	ALC	LCN TYPE	STOP LCN	SERV DES	M/L SELECT
JAYY	FA-18	LEAA		P			
TASK INTERVAL				TASK FUNCTION			

TASK CODE	TASK IDENTIFICATION	LCN	ALC
JG0AAAE	LAUNCH	LEAA	00

SUBTASK NUMBER	SEQUENTIAL TASK NARRATIVE
----------------	---------------------------

001 FA-18 Pre-Flight Check

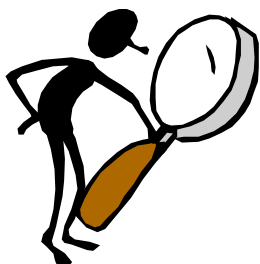


002 NOTE: Do Not Launch Upside Down.





# Missing Data Easily Identified and Corrected

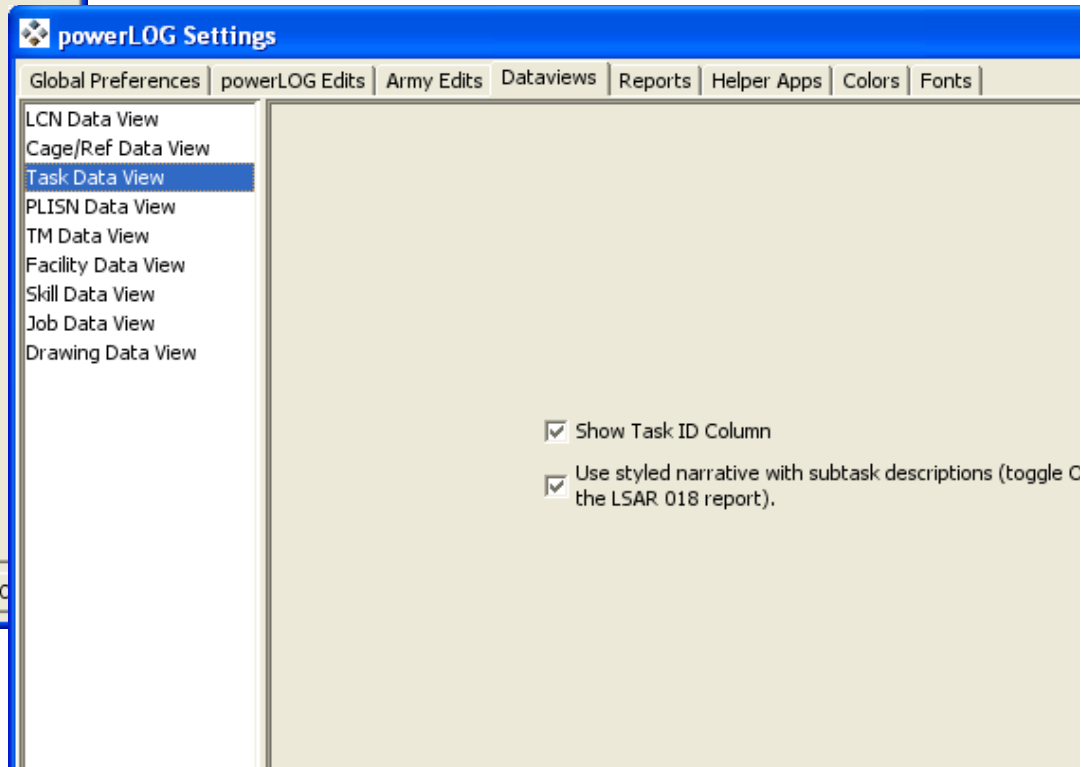
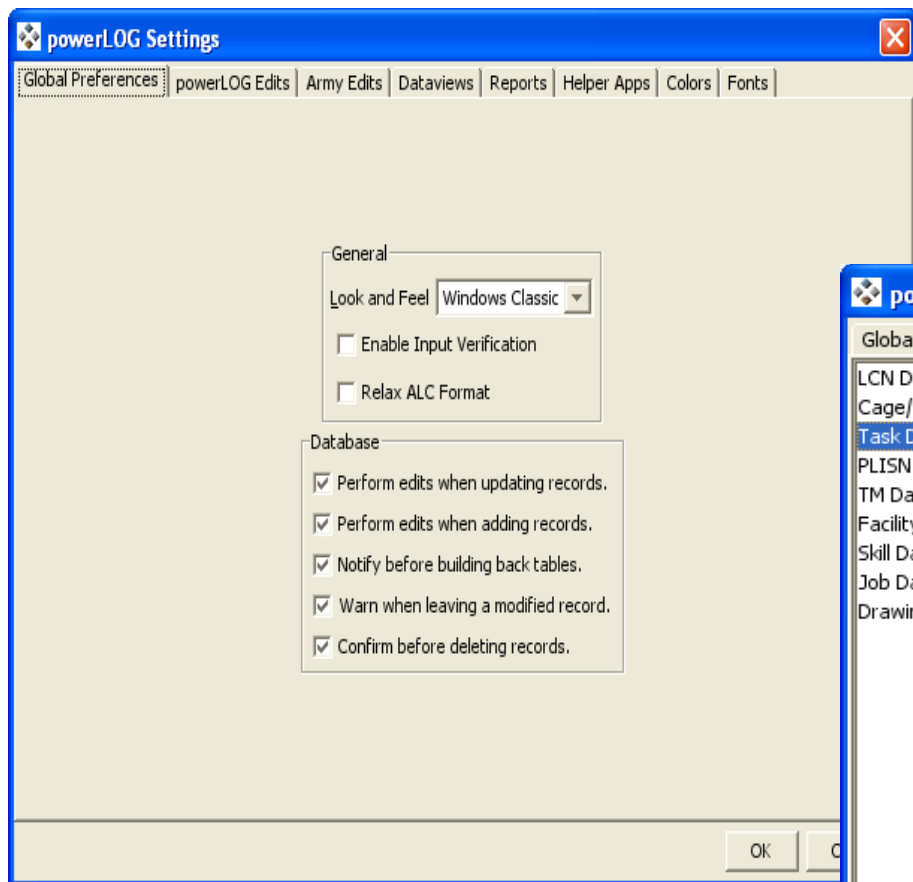


- **Configurable preferences for data entry & audit**
  - **Audit capability allows edit checks against data elements to determine validity**
  - **Optional, flexible data auditing capabilities**
    - 2B audits - on/off or selective
    - Army edits (audits) - on/off or selective
- **Data element wizards**
  - **Help the user enter data**
  - **Provide data element definitions**





# Settings, Views, Edits ~ on/off





# PLISN View (YAFYGI)



**powerLOG Settings**

Global Preferences | powerLOG Edits | Army Edits | Dataviews | Reports | Helper Apps | Colors | Fonts

LCN Data View  
Cage/Ref Data View  
Task Data View  
**PLISN Data View**  
TM Data View  
Facility Data View  
Skill Data View  
Job Data View  
Drawing Data View

Default View  
☒ Hierarchy  
☐ List

Display Fields

Fields  
☐ CAGE Code  
☒ Reference Number  
☒ Item Name  
☐ National Stock Number

Field Order  
Item Name  
Reference Number

**powerLOG - J**

File | Edit | View | Record | Utilities | Reports | Help

Import | Export | Find | New | Add | Update | Delete | Refresh | Help

EIAC | Indentured Item | CAGE / Ref No. | Task | PCCN / UOC  
PLISN | TM | DesignChange | Facility | Skill | Job | Drawing

Work Area: Part Application (HG)

PCCN: HST80B | Set Filter | View As List

HST80B  
◆ AAAA  
ENGINE ASSEMBLY : LH10001  
◆ AAAB  
ENGINE ASSEMBLY : LH10001A  
◆ CAAA  
OIL, LUBRICATING : MIL-L-7808  
◆ CAAB  
RAG, WIPING : A-A-531  
◆ CAAC  
JET PROPULSION NO 8 : MIL-L-1642  
TAAA

General | PTD | MTD/RTD/RCT | First Appearance | Misc.

Key  
CAGE Code: 64643  
Ref No.: LH10001  
EIAC: JAYY  
LCN: LEAA  
ALC: 00  
LCN Type P - Physical  
PLISN: AAAA  
Prior Item PLISN:  
Indenture Code:  
Maintenance Action Code: S - Scheduled Maintenance

**SAMC LOGSA--Supporting Warfighters Globally**





# Army Edit Selection



**Army Edits**

To add or remove an edit, click the check box.

Army Edit	Edit 060	Description
<input checked="" type="checkbox"/> 010	<input type="radio"/> None	<p>* 120 SMR OTHER THAN ARMY ALLOWED CODES *HG,SMRCODHG* DATA EDITS FOR OPTIONS B AND C REQUIRE SPECIFIC SUBFIELD EDIT VARIATIONS FROM AR 700-82, WHICH ARE ESTABLISHED IN THE BASIC EDITS FOR SMR. A. SOURCE CODE (POSITIONS 1 AND 2). CODES MG AND AG NOT ALLOWED. IN ADDITION TO THE CODES IN AR 700-82, CODE XD IS PERMITTED. B. MAINT REMOVE (POSITION 3). CODES ALLOWED ARE C, O, F, H, AND D. CODES 2-6 AND G NOT ALLOWED. C. MAINT REPAIR (POSITION 4). CODES ALLOWED ARE O, F, H, D, L, Z, AND B. CODE G NOT ALLOWED. D. RECOV CODE (POSITION 5). CODES ALLOWED ARE O, F, H, D, L, Z AND A. CODE G NOT ALLOWED.</p>
<input checked="" type="checkbox"/> 020	<input type="radio"/> 060A	
<input checked="" type="checkbox"/> 030	<input checked="" type="radio"/> 060B	
<input checked="" type="checkbox"/> 040		
<input checked="" type="checkbox"/> 050		
<input type="checkbox"/> 070		
<input checked="" type="checkbox"/> 080		
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<input checked="" type="checkbox"/> 270		
<input checked="" type="checkbox"/> 280		

Buttons: Default, WLMP, Select All, Clear All

Buttons: OK, Cancel



# Army Edit Results



**Edit Results**

File

H5T80B AAAA

- \* 100 MISSING QUANTITY PER UNIT PACK \* HF.DEGPROHF, HF.QTYUPKHF
- \* 270 QPEI OR QPA MISSING/QPEI < QPA \* HG.QTYASYHG, HG.QTYPEIHG \* THE QUANTITY PER ASSEMBLY MUST BE GREAT
- \* 300 AIC 1ST POS NOT A, AIC QTY BLANK (NOT AD) \* HG.ALLOWCHG, HG.ALIQTYHG
- \* 560 If the Maint-Repair-Code is = to D, then the NHA-PLISN and Ovhl-Qty cannot be blank.

H5T80B AAAB

- \* 090 MISSING UI/UI PRICE & UI CONVERSION FAC \* HD.UIPRICH, HD.PROUIPHD \* APPLICABLE ONLY AGAINST 'P' SOURC
- \* 100 MISSING QUANTITY PER UNIT PACK \* HF.DEGPROHF, HF.QTYUPKHF
- \* 270 QPEI OR QPA MISSING/QPEI < QPA \* HG.QTYASYHG, HG.QTYPEIHG \* THE QUANTITY PER ASSEMBLY MUST BE GREAT
- \* 300 AIC 1ST POS NOT A, AIC QTY BLANK (NOT AD) \* HG.ALLOWCHG, HG.ALIQTYHG
- \* 560 If the Maint-Repair-Code is = to D, then the NHA-PLISN and Ovhl-Qty cannot be blank.

H5T80B AAAJ

- \* 020 MISSING UM/UM PRICE \* HA.UNITMSHA, HE.UMPRICH, HE.PROUMPHE
- \* 050 RNCC MISSING, MULTIPLE D & C/7 \* HB.ADRNCCHB \* ADDITIONAL REFERENCE NUMBERS (ARN) MUST EACH HAVE AN
- \* 170 MTD NOT COMPATIBLE WITH SMR (SMR3/4) \* HG.SMRCODHG, HG.OMTDOOHG, HG.FMTDFFHG, HG.HMTDHHHG, HG.LM
- \* 190 RTD NOT COMPATIBLE WITH SMR (SMR-3) \* HG.SMRCODHG, HG.ORTDOOHG, HG.FRTDFFHG, HG.HRTDHHHG, HG.LRTD
- \* 270 QPEI OR QPA MISSING/QPEI < QPA \* HG.QTYASYHG, HG.QTYPEIHG \* THE QUANTITY PER ASSEMBLY MUST BE GREAT
- \* 440 If the Source Code = PB, then Fail-Fact-1, Fail-Fact-2, and Fail-Fact-3 must be blank and the Esntl-Code must not = 3.

H5T80B AAAK

- \* 020 MISSING UM/UM PRICE \* HA.UNITMSHA, HE.UMPRICH, HE.PROUMPHE
- \* 050 RNCC MISSING, MULTIPLE D & C/7 \* HB.ADRNCCHB \* ADDITIONAL REFERENCE NUMBERS (ARN) MUST EACH HAVE AN
- \* 100 MISSING QUANTITY PER UNIT PACK \* HF.DEGPROHF, HF.QTYUPKHF
- \* 270 QPEI OR QPA MISSING/QPEI < QPA \* HG.QTYASYHG, HG.QTYPEIHG \* THE QUANTITY PER ASSEMBLY MUST BE GREAT



# Audit Enhancement



powerLOG - J

File Edit View Record Utilities Reports Help

Import Export Find New Add Update Delete Refresh Help

EIAC	Indented Item	CAGE / Ref No.	Task
Facility	Skill	Job	Drawing
PCCN / UOC	PLISN	TM	DesignChange

Work Area: NHA PLISN/ORR (HH)

PCCN ABF... Set Filter View As List

- ABF135
  - AAAD
    - ABF135 BB2 : 12976814
    - CADT PLUNGER, REAR SIGHT : 12597055
    - CADT PLUNGER, REAR SIGHT : 12597055
    - CADT PLUNGER, REAR SIGHT : 12597055
    - CADT PLUNGER, REAR SIGHT : 12597055
    - CADT PLUNGER, REAR SIGHT : 12597055
    - CADT PLUNGER, REAR SIGHT : 12597055
    - CADT PLUNGER, REAR SIGHT : 12597055
    - CADT PLUNGER, REAR SIGHT : 12597055
    - CADT PLUNGER, REAR SIGHT : 12597055
    - CADV SPRING, HELICAL, COMP : 12597054
    - CADV

Overhaul-Kit Next Higher Assembly PLISN

Key

Commercial and Government Entity (CAGE) Code 19200

Reference Number 12597055

End Item Acronym Code (EIAC) M2A3

LSA Control Number (LCN) ACAKAAA

Alternate LCN Code (ALC) 00

LCN Type P

NHA PLISN AAAM

NHA PLISN Indicator

Overhaul Replacement Rate

**SAMC LOGSA--Supporting Warfighters Globally**



# Missing Data Easily Identified and Corrected (Continued)

- **PLISN utilities correct PLISN associated errors within the PCCN**
  - **PLISN assignment**
  - **Next higher assembly PLISN assignment**
  - **Same-as PLISN assignment**
  - **Quantity per end item calculation**
  - **Overhaul PLISN assignment**
  - **Provisioning indenture code assignment**
- **PLISN filters used to view PLISN subsets**



# PLISN Utilities



**PLISN Utilities**

PCCN Selection

Requester

End Item Acronym Code (EIAC)

System/EI Provisioning Contract Control Number

Update Database ☐

PLISN

- ☒ Assign Next Higher Assembly PLISN
- ☒ Assign NHA PLISN Indicator
- ☐ Delete NHA PLISNs that do not exist
- ☐ Assign Overhaul PLISNs
- ☒ Assign Same-as PLISN
- ☒ Assign Provisioning Indenture Code

Quantity Per End Item

- ☒ Calculate Quantity Per End Item
- ☒ Option 1
- ☐ Option 2
- ☐ Option 3

OK Cancel Help



# PLISN Utilities Results



EIAC	PCCN	Update Database	Assign NHA	Assign NHA Indicator	Delete Non-Existant NHA	Assign Overhaul PLISN	Assign Same as PLISN	Assign Provisioning Indenture Code	Calculate Quantity Per End Item	QPEI Option
T850	GLH850		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Option 1

PLISN Utilities Data Listing														
Assigned Values								Original Values						
PLISN	NHA PLISN	NHA Indicator Code	Overhaul PLISN	Overhaul Replacement Rate	Same as PLISN	Provisioning Indenture Code	Quantity Per End Item	NHA PLISN	NHA Indicator Code	Overhaul PLISN	Overhaul Replacement Rate	Same as PLISN	Provisioning Indenture Code	Quantity Per End Item
AAAA						A	1						A	
AAAB						A	1						A	
A001	AAAA	N				B	1	AAAA	N				B	
A002	AAAA	N	AAAA	0.03		C	1	A001	N				C	
	A001													
A003	AAAA	N	AAAA	0.03		C	1	A001	N				C	
	A001													
A004	AAAA	N	AAAA	0.03		C	1	A001	N				C	
	A001													
A005	AAAA	N	AAAA	0.03		C	1	A001	N				C	
	A001													
A006	AAAA	N	AAAA	0.03		D	1	A005	N				D	
	A005													
A007	AAAA	N	AAAA	0.03		D	1	A005	N				D	
	A005													





# 1.4 Release, 1 May 06



- **New Reports**
  - LSA-005, Support Item Utilization Summary
  - LSA-007, Support Equipment Requirements
  - LSA-026, Packaging Developmental Data
- **New Capabilities**
  - **Importers**
    - Tabular, Spread Sheet
    - DLIS, screening results (RDE)
    - MAC Importer
  - **Global Key Changes**
  - **LCN Renumbering/Resequencing**
  - **Utilities**
    - Calculations
    - Functional/Physical LCN Manipulation
    - BULK Figure Number/Item Number Modifications



# Import: Tabular, (YAFYGI)



Tabular Data Importer

Columns

Field Values

LCN Structure

Number of rows to skip: 1

Clear Database

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
PLISN	GROUP NUM...	TEST NUMBER	COMPONEN...	FIG	ITEM	IND	CAGE	PART NO	QTY ASSY	QTY EI	SMR	NHA	FSC	NIIN	PRICE	UI
PLISN			Name	Figure Num...	Item Numb...	Indenture ...	CAGE Code	Ref No.	Quantity P...	Quantity P...	SMR Code		NSN FSC	NSN NIIN	UI Price	
PLISN	GROUP NUM...	TEST NUMBER	COMPONEN...	FIG	ITEM	IND	CAGE	PART NO	QTY ASSY	QTY EI	SMR	NHA	FSC	NIIN	PRICE	UI
AAAA		0	NETWORK ...			A	80063	A3283500	1		PDODD		5895	01-488-4551	\$1,350,000...	EA
A001	0	1	SHELTER FA...	FIG 01	3	B	80063	A3286085	1		XBODD	A3283500			\$40.00	EA
A002	1	101	BRACKET IN...	FIG 02	15	C	80063	A3286090	1		XBFFF				\$40.00	EA
A003		10101	ELECTRICAL...			D	80063	A3286120	1		XBFFF	A3286090			\$40.00	EA
A004		1010101	RACEWAY I...			E	80063	A3286095	1		XBFFF	A3286120			\$40.00	EA
A005	10101	101010102	RACEWAY B...	FIG 04	16	F	80063	A3286634-01	1		XBFFZ	A3286095			\$40.00	EA
A006	10101	101010103	RACEWAY B...	FIG 04	37	F	80063	A3286634-02	1		XBFFZ	A3286095			\$40.00	EA
A007	10101	101010104	RACEWAY B...	FIG 04	20	F	80063	A3286635-01	1		XBFFZ	A3286095			\$40.00	EA
A008	10101	101010105	RACEWAY B...	FIG 04	45	F	80063	A3286635-02	1		XBFFZ	A3286095			\$40.00	EA
A009	10101	101010106	RACEWAY B...	FIG 04	56	F	80063	A3286636-01	1		XBFFZ	A3286095			\$40.00	EA
A010	10101	101010107	RACEWAY B...	FIG 04	60	F	80063	A3286636-02	1		XBFFZ	A3286095			\$40.00	EA
A011	10101	101010108	RACEWAY B...	FIG 04	49	F	80063	A3286636-03	1		XBFFZ	A3286095			\$40.00	EA
A012	10101	101010109	RACEWAY B...	FIG 04	51	F	80063	A3286636-04	1		XBFFZ	A3286095			\$40.00	EA
A013	10101	101010110	RACEWAY B...	FIG 04	53	F	80063	A3286636-05	1		XBFFZ	A3286095			\$40.00	EA
A014	10101	101010111	RACEWAY B...	FIG 04	59	F	80063	A3286636-06	1		XBFFZ	A3286095			\$40.00	EA
A015	10101	101010112	RACEWAY B...	FIG 04	58	F	80063	A3286636-07	1		XBFFZ	A3286095			\$40.00	EA
A016	10101	101010113	RACEWAY B...	FIG 04	3	F	80063	A3286637	1		XBFFZ	A3286095			\$40.00	EA
A017	10101	101010114	RACEWAY B...	FIG 04	10	F	80063	A3286638	1		XBFFZ	A3286095			\$40.00	EA
A018	10101	101010115	RACEWAY B...	FIG 04	39	F	80063	A3286639	1		XBFFZ	A3286095			\$40.00	EA
A019	10101	101010116	RACEWAY B...	FIG 04	28	F	80063	A3286641	1		XBFFZ	A3286095			\$40.00	EA
A020	10101	101010117	RACEWAY B...	FIG 04	26	F	80063	A3286642	1		XBFFZ	A3286095			\$40.00	EA
A021	10101	101010118	RACEWAY B...	FIG 04	35	F	80063	A3286643	1		XBFFZ	A3286095			\$40.00	EA
A022	10101	101010119	RACEWAY B...	FIG 04	34	F	80063	A3286644	1		XBFFZ	A3286095			\$40.00	EA
A023	10101	101010120	RACEWAY B...	FIG 04	36	F	80063	A3286645	1		XBFFZ	A3286095			\$40.00	EA
A024	10101	101010121	RACEWAY B...	FIG 04	13	F	80063	A3286646	1		XBFFZ	A3286095			\$40.00	EA
A025	10101	101010122	RACEWAY B...	FIG 04	40	F	80063	A3286647	1		XBFFZ	A3286095			\$40.00	EA
A026	10101	101010123	RACEWAY B...	FIG 04	29	F	80063	A3286648	1		XBFFZ	A3286095			\$40.00	EA
A027	10101	101010124	RACEWAY B...	FIG 04	32	F	80063	A3286649	1		XBFFZ	A3286095			\$40.00	EA
A028	10101	101010125	RACEWAY B...	FIG 04	4	F	80063	A3286650	1		XBFFZ	A3286095			\$40.00	EA
A029	10101	101010126	RACEWAY B...	FIG 04	38	F	80063	A3286651	1		XBFFZ	A3286095			\$40.00	EA
A030	10101	101010127	RACEWAY B...	FIG 04	27	F	80063	A3286652	1		XBFFZ	A3286095			\$40.00	EA
A031	10101	101010128	ELBOW BAS...	FIG 04	47	F	80063	A3286653-01	1		XBFFZ	A3286095			\$40.00	EA

Building Records...

80%

Import

Cancel

Help



# Column Value Assigned



Tabular Data Importer

Columns

Field Values

LCN Structure

Number of rows to skip

A	B	C	D	E	F	G	H	
PLISN	GROUP NUM...	TEST NUMBER	COMPONEN...	FIG	ITEM	IND	CAGE	PART N
PLISN	Table HK			Figure Num...	Item Numb...	Indenture ...	CAGE Code	Ref No
PLISN	Field CAGECDXH			N... FIG	ITEM	IND	CAGE	PART N
AAAA	LCNTYPXB			...		A	80063	A32835
A001	TMCODEXI			FA... FIG 01	3	B	80063	A32860
A002	FIGNUMHK			IN... FIG 02	15	C	80063	A32860
A003	ITEMNOHK			ELECTRICAL...		D	80063	A32861
A004	TMFGCDHK			RACEWAY I...		E	80063	A32860
A005	10101 TMINDCHK	102	RACEWAY B...	FIG 04	16	F	80063	A32866
A006	10101 QTYFIGHK	103	RACEWAY B...	FIG 04	37	F	80063	A32866
A007	10101 TMCHGNHK	104	RACEWAY B...	FIG 04	20	F	80063	A32866
A008	10101	101010105	RACEWAY B...	FIG 04	45	F	80063	A32866
A009	10101	101010106	RACEWAY B...	FIG 04	56	F	80063	A32866
A010	10101	101010107	RACEWAY B...	FIG 04	60	F	80063	A32866
A011	10101	101010108	RACEWAY B...	FIG 04	49	F	80063	A32866
A012	10101	101010109	RACEWAY B...	FIG 04	51	F	80063	A32866
A013	10101	101010110	RACEWAY B...	FIG 04	53	F	80063	A32866
A014	10101	101010111	RACEWAY B...	FIG 04	59	F	80063	A32866
A015	10101	101010112	RACEWAY B...	FIG 04	58	F	80063	A32866
A016	10101	101010113	RACEWAY B...	FIG 04	3	F	80063	A32866



# Global Values



Tabular Data Importer

**R** Columns **R** Field Values **R** LCN Structure

Table	Field	Value
XA	EIACODXA	JAY TEST
	LCNSTRXA	
	ADDLTMXA	
	CTDLTMXA	
	CONTNOXA	
	CSREORXA	
	CSPRRQXA	
	DEMILCXA	
	DISCNTXA	
	ESSALVXA	
	HLCSPCXA	
	INTBINXA	
	INCATCXA	
	INTRATXA	
	INVTGXA	
	LODFACXA	
	WSOPLVXA	
	OPRLIFXA	
	PRSTOVXA	
	PRSTOMXA	
	PROFACXA	
	RCBINXA	
	RCCATCXA	
	RESTRXA	
	SAFLVLXA	
	SECSFCXA	
	TRNCSTXA	
	WSTYAQXA	
	TSSCODXA	
XB	EIACODXA	
	LSACONXB	
	ALTLCNXB	
	LCNTYPXB	
	LCNINDB	
	LCNAMEXB	
	TMFGCDXB	

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Tabular Data Importer

**X** HG : ALTLCNXB  
HG : LCNTYPXB  
HK : TMCODEXI

OK



# Create LCN



**Tabular Data Importer**

**Columns** **Field Values** **LCN Structure**

**LCN Assignment**

☐ Assign LCNs equal to a value on the Field Value Pane

☐ Assign LCNs to equal a column's values

☒ Assign LCNs based on Next Higher Assembly relationship

**Next Higher Assembly**

Target Column

Source Column

**LCN Structure Assignment**

Maximum Provisioning IC

Starting LCN IC

LCN Character Assignment Type

Required LCN Structure Length

Starting LCN

LCN Gap



# Tabular Importer Preview



Tabular Data Importer																	
Data Preview   Table Options																	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
PLISN	GROUP NU...	TEST NUM...	COMPONEN...	FIG	ITEM	IND	CAGE	PART NO	QTY ASSY	QTY EI	SMR	NHA	FSC	NIIN	PRICE	UI	
A001	0	1	SHELTER FA...	FIG 01	3	B	80063	A3286085	1		XBODD	A3283500				EA	
XH	CAGE Code	Name	Street	City	State	Nation	Postal Zone										
	80063																
HA	CAGE Code	Ref No.	Name	Name Code	RNCC	RNVC	DLSC SRC	DIC	IMC	NSN CC	NSN SMIC/...	NSN MCCode	NSN FSC	NSN NIIN	NSN Activit...	UI Conv. Fa...	SL
	80063	A3286085	SHELTER FA...														SLAC
HG	CAGE Code	Ref No.	EIAC	LCN	ALC	LCN Type	PLISN	Quantity P...	Provisione...	Data Statu...	Provisionin...	Long Lead ...	Provisionin...	Short Form...	Common a...	Repairable...	Interim Su...
	80063	A3286085	JAYTEST	A	00	P	A001	1									Post C
HG	CAGE Code	Ref No.	EIAC	LCN	ALC	LCN Type	PLISN	Quantity P...	Provisione...	Data Statu...	Provisionin...	Long Lead ...	Provisionin...	Short Form...	Common a...	Repairable...	Interim Su...
	80063	A3286085	JAYTEST	A001	00	P	A001	1									Post C
HK	CAGE Code	Ref No.	EIAC	LCN	ALC	LCN Type	TM Code	Figure Num...	Item Numb...	TM FGC (R...	TM Indent...	Quantity p...	TM Change...				
	80063	A3286085	JAYTEST	A	00	P	TMA	01	3	0							
HK	CAGE Code	Ref No.	EIAC	LCN	ALC	LCN Type	TM Code	Figure Num...	Item Numb...	TM FGC (R...	TM Indent...	Quantity p...	TM Change...				
	80063	A3286085	JAYTEST	A001	00	P	TMA	01	3	0							
PLISN	GROUP NU...	TEST NUM...	COMPONEN...	FIG	ITEM	IND	CAGE	PART NO	QTY ASSY	QTY EI	SMR	NHA	FSC	NIIN	PRICE	UI	
A002	1	101	BRACKET IN...	FIG 02	15	C	80063	A3286090	1		XBFFF						
XH	CAGE Code	Name	Street	City	State	Nation	Postal Zone										
	80063																
HA	CAGE Code	Ref No.	Name	Name Code	RNCC	RNVC	DLSC SRC	DIC	IMC	NSN CC	NSN SMIC/...	NSN MCCode	NSN FSC	NSN NIIN	NSN Activit...	UI Conv. Fa...	SL
	80063	A3286090	BRACKET IN...														SLAC
HG	CAGE Code	Ref No.	EIAC	LCN	ALC	LCN Type	PLISN	Quantity P...	Provisione...	Data Statu...	Provisionin...	Long Lead ...	Provisionin...	Short Form...	Common a...	Repairable...	Interim Su...
	80063	A3286090	JAYTEST	A	00	P	A002	1									Post C
HG	CAGE Code	Ref No.	EIAC	LCN	ALC	LCN Type	PLISN	Quantity P...	Provisione...	Data Statu...	Provisionin...	Long Lead ...	Provisionin...	Short Form...	Common a...	Repairable...	Interim Su...
	80063	A3286090	JAYTEST	A002	00	P	A002	1									Post C
HK	CAGE Code	Ref No.	EIAC	LCN	ALC	LCN Type	TM Code	Figure Num...	Item Numb...	TM FGC (R...	TM Indent...	Quantity p...	TM Change...				
	80063	A3286090	JAYTEST	A	00	P	TMA	02	15	1							
HK	CAGE Code	Ref No.	EIAC	LCN	ALC	LCN Type	TM Code	Figure Num...	Item Numb...	TM FGC (R...	TM Indent...	Quantity p...	TM Change...				
	80063	A3286090	JAYTEST	A002	00	P	TMA	02	15	1							
PLISN	GROUP NU...	TEST NUM...	COMPONEN...	FIG	ITEM	IND	CAGE	PART NO	QTY ASSY	QTY EI	SMR	NHA	FSC	NIIN	PRICE	UI	
A003		10101	ELECTRICAL...			D	80063	A3286120	1		XBFFF	A3286090					
XH	CAGE Code	Name	Street	City	State	Nation	Postal Zone										
	80063																
HA	CAGE Code	Ref No.	Name	Name Code	RNCC	RNVC	DLSC SRC	DIC	IMC	NSN CC	NSN SMIC/...	NSN MCCode	NSN FSC	NSN NIIN	NSN Activit...	UI Conv. Fa...	SL
	80063	A3286120	ELECTRICAL...														SLAC
HG	CAGE Code	Ref No.	EIAC	LCN	ALC	LCN Type	PLISN	Quantity P...	Provisione...	Data Statu...	Provisionin...	Long Lead ...	Provisionin...	Short Form...	Common a...	Repairable...	Interim Su...
																	Post C
Import   Cancel   Help																	





# Calculation Results



Calculation Utilities - Microsoft Internet Explorer

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Address F:\working\powerLOG3\Main\working\report\calculation\_utilities.html

LEAA05AA	00	P	JGDAACA	0.0100	0.6937
LEAA05AA01	00	P	FGDAACA	0.0010	0.0336
LEAA05AA01	00	P	JGDAACA	0.0010	0.0336

MRR Data Listing							
Cage Code	Reference Number	LCN	ALC	Original MRR I	Calculated MRR I	Original MRR II	Calculated MRR II
11599	111058	LEAA01GA05	00	0.7390	0.0416	0.400	0.021
11599	111058X	LEAA01GA05	98	0.7390	0.0215	0.400	0.011
11599	111058Y	LEAA01GA05	99	0.7390	0.0254	0.400	0.013
11599	109796	LEAA01GA05AC	00	0.3298	0.0270	0.667	0.014
11599	109796X	LEAA01GA05AC	98	0.2391	0.0304	0.554	0.015
11599	109796Y	LEAA01GA05AC	99	0.2983	0.0319	0.342	0.016
64643	LH10481	LEAA03	00		0.8267		0.413
64643	LH10584	LEAA03AC01	00	0.4532	0.0175	0.897	0.009
64547	2118539	LEAA05AA	00	0.0287	0.2639	0.187	0.132

Measured Mean Elapsed Time Data Listing					
LCN	ALC	LCN Type	Task Code	Original Mean Elapsed Time	Calculated Mean Elapsed Time
LEAA	00	P	JGOAAAE		0.03
LEAA	00	P	JGOAAAF		0.16
LEAA	00	P	JGOAGAA		1.67
LEAA	00	P	NGLAGAA	2.20	0.00
LEAA	00	P	PGOAFAA		0.01
LEAA	01	P	JGOAAAF		0.16
LEAA	01	P	JGOAGAA		1.67
LEAA	01	P	PGOAFAA		0.01
LEAA03AC	00	P	JYOAGAA		0.14
LEAA03AC01	00	P	JGDAGAC		0.09
LEAA03AC03	00	P	APOAGAA		0.10
LEAA05	00	P	ZAQAAACA		0.05
LEAA05AA01	00	P	FBLAEAA		1.00

Mean Man Hours Data Listing					
LCN	ALC	LCN Type	Task Code	Original Mean Man Hours	Calculated Mean Man Hours
LEAA	00	P	JGOAAAE		0.03
LEAA	00	P	JGOAAAF		0.16
LEAA	00	P	JGOAGAA		2.05
LEAA	00	P	NGLAGAA	2.20	0.00
LEAA	00	P	PGOAFAA		0.01
LEAA	01	P	JGOAAAF		0.16
LEAA	01	P	JGOAGAA		2.05
LEAA	01	P	PGOAFAA		0.01
LEAA03AC	00	P	JYOAGAA		0.14
LEAA03AC01	00	P	JGDAGAC		0.09
LEAA03AC03	00	P	APOAGAA		0.10
LEAA05AA01	00	P	FBLAEAA		0.25

Mean Time To Repair Data Listing					
----------------------------------	--	--	--	--	--

Done My Computer



# RDE DLA Portal Screening Result Import



DLIS RDE Portal Importer

Put a description here before you finish this project, moron!

PLISN: ABC001

CAGE: 30190 Ref Num: D8379REV

☒ NIIN: 000000330

PLISN: ABC002

CAGE: 81349 Ref Num: MILW1080

☒ NIIN: 000000162

☐ NIIN: 00006020

☐ NIIN: 000000163

Segment G (Freight Classification)

Segment A (Identification)

Segment H (Catalog Management)

Segment C (Reference Number)

Segment W (Packaging)

Segment F (FLIS I&S Relationship)

SELECT	ITEM	VALUE
<input checked="" type="checkbox"/>	Item Name Code	02134
<input type="checkbox"/>	ADP Equipment Code	0
<input checked="" type="checkbox"/>	Precious Metal Indicator Code	A
<input checked="" type="checkbox"/>	Criticality Code	N
<input checked="" type="checkbox"/>	NSN Federal Supply Classification	5930
<input checked="" type="checkbox"/>	Hazardous Code	P
<input checked="" type="checkbox"/>	Demilitarization Code	A

Degree Match Code: KME KMP KMA

Import

Cancel

Help



# Enhanced LCN Copy Paste Renumbering

**LCN Branch Copy**

Item Selection

☒ Resequence entire branch

☐ Resequence single item

LCN Sequence

☐ Keep LCNs

☐ Keep ALCs

☒ Reassign LCNs

LCN Sequence

☐ Alpha

☒ Alpha Numeric

☐ Numeric

Starting LCN:

ALC:

LCN Type:

Starting LCN Indenture Code:

LCN Gap:

**Change Preview**

Original and New Values

LEAA03ACAA - 00 --> LEABABAKAE - 00

LEAA03ACAC - 00 --> LEABABAKAF - 00

LEAA05 - 00 --> LEABAC - 00

LEAA05AA - 00 --> LEABACAA - 00

LEAA05AA00 - 00 --> LEABACAAAA - 00

LEAA05AA01 - 00 --> LEABACAAAB - 00

LEAA05AA01A2 - 00 --> LEABACAAABAA - 00

LEAA05AA01AD - 00 --> LEABACAAABAB - 00

LEAA05AA01AH - 00 --> LEABACAAABAC - 00

LEAA05AA01AL - 00 --> LEABACAAABAD - 00

LEAA05AA01AP - 00 --> LEABACAAABAE - 00

LEAA05AA01AT - 00 --> LEABACAAABAF - 00

LEAA05AA01AX - 00 --> LEABACAAABAG - 00

LEAA05AC - 00 --> LEABACAB - 00

LEAA07 - 00 --> LEABAC - 00

LEAA09 - 00 --> LEABAE - 00

LEAA09AA - 00 --> LEABAEAA - 00

LEAA09AA00 - 00 --> LEABAEAAAA - 00

LEAA09AA01 - 00 --> LEABAEAAAB - 00

LEAA09AA01AA - 00 --> LEABAEAAABAA - 00

LEAA09AA01AC - 00 --> LEABAEAAABAB - 00

LEAA09AC - 00 --> LEABAEAB - 00

LEAAAA - 00 --> LEABAF - 00

LEAAAC - 00 --> LEABAG - 00

LEAAAE - 00 --> LEABAH - 00

LEAABK - 00 --> LEABAT - 00

Legend

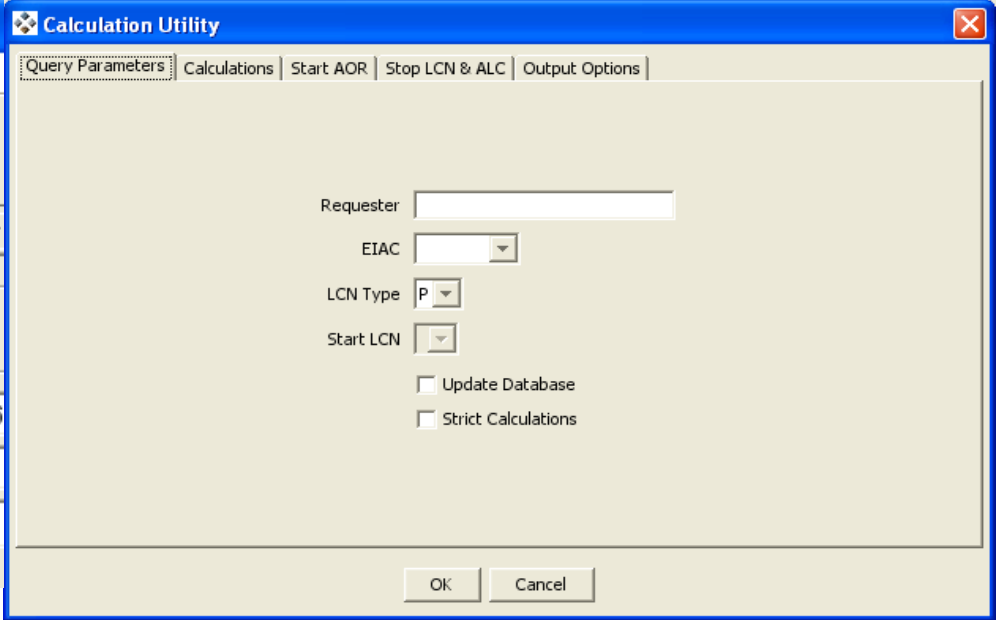
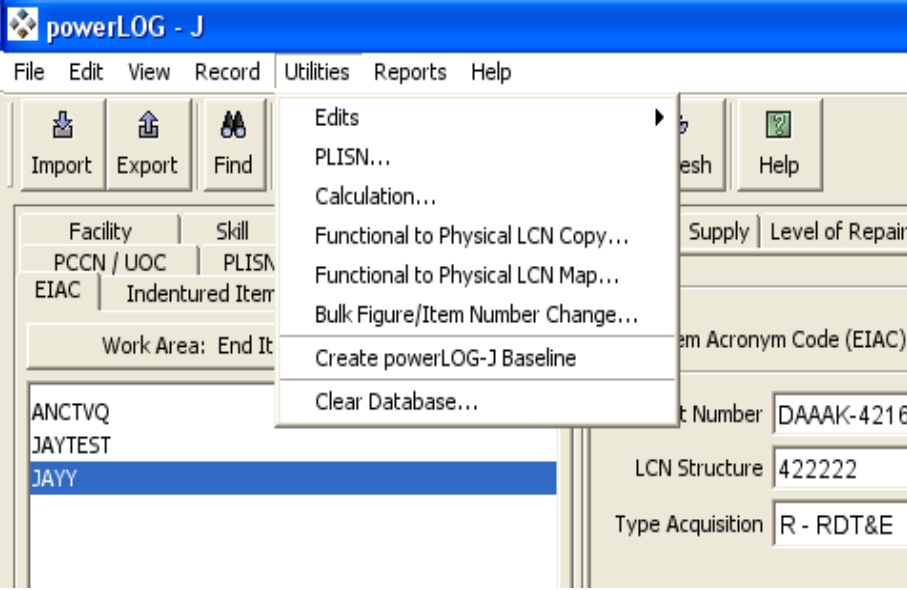
Original Value - ALC --> New Value - ALC

☒ Duplicate Renumbered LCNs

☐ Renumbered LCN exists



# Utilities





# Utilities: Calculations



**Calculation Utility**

Query Parameters | Calculations | Start AOR | Stop LCN & ALC | Output Options

Enable	Calculation
<input checked="" type="checkbox"/>	Task Frequency
<input type="checkbox"/>	Maintenance Replacement Rate
<input type="checkbox"/>	Measured Mean Elapsed Time
<input type="checkbox"/>	Mean Man Hours
<input type="checkbox"/>	Mean Time To Repair
<input type="checkbox"/>	MTBF and Failure Rate
<input type="checkbox"/>	MTBPM
<input type="checkbox"/>	MTBR
<input type="checkbox"/>	EFM-MTBF
<input type="checkbox"/>	MTBMA
<input type="checkbox"/>	IMF & MTBM Inherent
<input type="checkbox"/>	Failure Mode Criticality Number
<input type="checkbox"/>	Item Criticality Number
<input type="checkbox"/>	Inherent Availability
<input type="checkbox"/>	Achieved Availability
<input type="checkbox"/>	Operational Availability

☒ MRR I  
Operating Program

☒ MRR II  
Ratio

OK Cancel

**Calculation Utility**

Query Parameters | Calculations | Start AOR | Stop LCN & ALC | Output Options

Enable	Calculation
<input checked="" type="checkbox"/>	Task Frequency
<input checked="" type="checkbox"/>	Maintenance Replacement Rate
<input checked="" type="checkbox"/>	Measured Mean Elapsed Time
<input checked="" type="checkbox"/>	Mean Man Hours
<input checked="" type="checkbox"/>	Mean Time To Repair
<input checked="" type="checkbox"/>	MTBF and Failure Rate
<input checked="" type="checkbox"/>	MTBPM
<input checked="" type="checkbox"/>	MTBR
<input checked="" type="checkbox"/>	EFM-MTBF
<input type="checkbox"/>	MTBMA
<input type="checkbox"/>	IMF & MTBM Inherent
<input type="checkbox"/>	Failure Mode Criticality Number
<input type="checkbox"/>	Item Criticality Number
<input type="checkbox"/>	Inherent Availability
<input type="checkbox"/>	Achieved Availability
<input type="checkbox"/>	Operational Availability

☐ Store as Predicted (P)  
☒ Store as Measured (M)

OK Cancel

**Calculation Utility**

Query Parameters | Calculations | Start AOR | Stop LCN & ALC | Output Options

Enable	Calculation
<input checked="" type="checkbox"/>	Task Frequency
<input checked="" type="checkbox"/>	Maintenance Replacement Rate
<input checked="" type="checkbox"/>	Measured Mean Elapsed Time
<input checked="" type="checkbox"/>	Mean Man Hours
<input checked="" type="checkbox"/>	Mean Time To Repair
<input type="checkbox"/>	MTBF and Failure Rate
<input type="checkbox"/>	MTBPM
<input type="checkbox"/>	MTBR
<input type="checkbox"/>	EFM-MTBF
<input type="checkbox"/>	MTBMA
<input type="checkbox"/>	IMF & MTBM Inherent
<input type="checkbox"/>	Failure Mode Criticality Number
<input type="checkbox"/>	Item Criticality Number
<input type="checkbox"/>	Inherent Availability
<input type="checkbox"/>	Achieved Availability
<input type="checkbox"/>	Operational Availability

☒ Calculate Predicted MTTR  
☐ Calculate Measured MTTR

OK Cancel

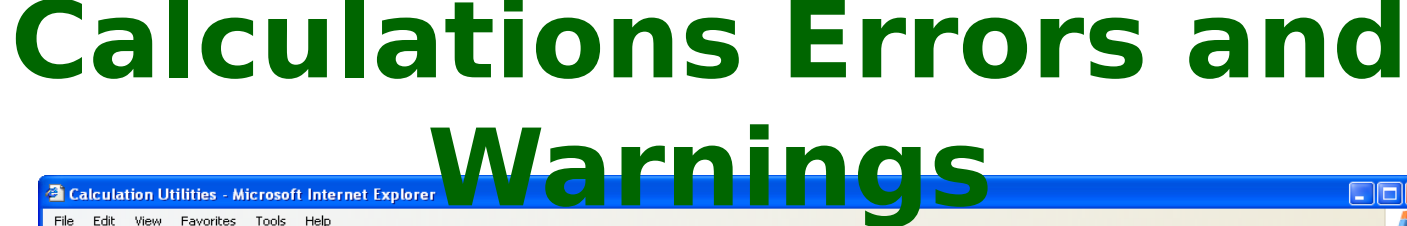
**Calculation Utility**

Query Parameters | Calculations | Start AOR | Stop LCN & ALC | Output Options

Enable	Calculation
<input checked="" type="checkbox"/>	Task Frequency
<input checked="" type="checkbox"/>	Maintenance Replacement Rate
<input checked="" type="checkbox"/>	Measured Mean Elapsed Time
<input checked="" type="checkbox"/>	Mean Man Hours
<input checked="" type="checkbox"/>	Mean Time To Repair
<input checked="" type="checkbox"/>	MTBF and Failure Rate
<input checked="" type="checkbox"/>	MTBPM
<input checked="" type="checkbox"/>	MTBR
<input checked="" type="checkbox"/>	EFM-MTBF
<input checked="" type="checkbox"/>	MTBMA
<input type="checkbox"/>	IMF & MTBM Inherent
<input type="checkbox"/>	Failure Mode Criticality Number
<input type="checkbox"/>	Item Criticality Number
<input checked="" type="checkbox"/>	Inherent Availability
<input type="checkbox"/>	Achieved Availability
<input type="checkbox"/>	Operational Availability

☒ Store as Predicted (P)  
☐ Store as Measured (M)  
☐ Store as Peace Time  
☐ Store as War Time

OK Cancel



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**Operational Availability**

No

Task Frequency Error/Warning Listing					
LCN	ALC	LCN Type	Task Code	Message Type	Message
LEAA	00	P	JGOAAAE	Error	No calculation could be performed for this task. Required data not found (BH, BF, BA)
LEAA	00	P	JGOAAAF	Error	No calculation could be performed for this task. Required data not found (BH, BF, BA)
LEAA	00	P	JGOAGAA	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA	00	P	NGLAGAA	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA	00	P	PGOAFAA	Error	No calculation could be performed for this task. Required data not found (BH, BF, BA)
LEAA	01	P	JGOAAAE	Error	No calculation could be performed for this task. Required data not found (BH, BF, BA)
LEAA	01	P	JGOAAAF	Error	No calculation could be performed for this task. Required data not found (BH, BF, BA)
LEAA	01	P	JGOAGAA	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA	01	P	NGLAGAA	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA	01	P	PGOAFAA	Error	No calculation could be performed for this task. Required data not found (BH, BF, BA)
LEAA01	00	P	JGOAAAE	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA01EA	00	P	JGOAAAA	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA01GA05	00	P	HGOAAAC	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA01GA05	00	P	JGFAAAA	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA01GA05	98	P	HGOAAAF	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA01GA05	98	P	JGFAAAB	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA01GA05	99	P	HGOAAAG	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA01GA05	99	P	JGFAAAC	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA01GA05AC	00	P	HGFAGAC	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA01GA05AC	00	P	JGDAGBA	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA01GA05AC	98	P	HGFAGAF	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA01GA05AC	98	P	JGDAGBC	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA01GA05AC	99	P	HGFAGAJ	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA01GA05AC	99	P	JGDAGBF	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA03	00	P	JGDAGBA	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA03AC	00	P	JYOAGAA	Error	No calculation could be performed for this task. Required data not found (BH, BF, BA)
LEAA03AC01	00	P	HGFAAAA	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA03AC01	00	P	JGDAGAC	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA03AC01	01	P	HGFAAAA	Error	No calculation could be performed for this task. Required data not found (BH, BF, BA)
LEAA03AC01	01	P	JGDAGAC	Error	There was no AOR found to perform a calculation.
LEAA03AC03	00	P	JGFAGCA	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA03AC03AA	00	P	HGFAGAA	Error	No calculation could be performed for this task. Required data not found (BH, BF, BA)
LEAA03AC03AA	00	P	JGHAGAA	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA03AC05	00	P	JGHAGAC	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA03AC05AA	00	P	HGHAGBA	Error	No calculation could be performed for this task. Required data not found (BH, BF, BA)
LEAA03AC05AA	00	P	JGHAGBA	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA05AA	00	P	HGOAACA	Warning	Measurement base 'H' and 'O' were treated as though they were equal.
LEAA05AA	00	P	JGDAACA	Warning	Measurement base 'H' and 'O' were treated as though they were equal.

Done My Computer



# Calculation Results



Calculation Utilities - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address F:\working\powerLOGJ\Main\working\report\calculation\_utilities.html Go Links

LEAA05AA	00	P	JGDAACA	0.0100	0.6937
LEAA05AA01	00	P	FGDAACA	0.0010	0.0336
LEAA05AA01	00	P	JGDAACA	0.0010	0.0336

MRR Data Listing

Cage Code	Reference Number	LCN	ALC	Original MRR I	Calculated MRR I	Original MRR II	Calculated MRR II
11599	111058	LEAA01GA05	00	0.7390	0.0416	0.400	0.021
11599	111058X	LEAA01GA05	98	0.7390	0.0215	0.400	0.011
11599	111058Y	LEAA01GA05	99	0.7390	0.0254	0.400	0.013
11599	109796	LEAA01GA05AC	00	0.3298	0.0270	0.667	0.014
11599	109796X	LEAA01GA05AC	98	0.2391	0.0304	0.554	0.015
11599	109796Y	LEAA01GA05AC	99	0.2983	0.0319	0.342	0.016
64643	LH10481	LEAA03	00		0.8267		0.413
64643	LH10584	LEAA03AC01	00	0.4532	0.0175	0.897	0.009
64547	2118539	LEAA05AA	00	0.0287	0.2639	0.187	0.132

Measured Mean Elapsed Time Data Listing

LCN	ALC	LCN Type	Task Code	Original Mean Elapsed Time	Calculated Mean Elapsed Time
LEAA	00	P	JGOAAAE		0.03
LEAA	00	P	JGOAAAF		0.16
LEAA	00	P	JGOAGAA		1.67
LEAA	00	P	NGLAGAA	2.20	0.00
LEAA	00	P	PGOAFAA		0.01
LEAA	01	P	JGOAAAF		0.16
LEAA	01	P	JGOAGAA		1.67
LEAA	01	P	PGOAFAA		0.01
LEAA03AC	00	P	JYOAGAA		0.14
LEAA03AC01	00	P	JGDAGAC		0.09
LEAA03AC03	00	P	APOAGAA		0.10
LEAA05	00	P	ZAOAACA		0.05
LEAA05AA01	00	P	FBLAEAA		1.00

Mean Man Hours Data Listing

LCN	ALC	LCN Type	Task Code	Original Mean Man Hours	Calculated Mean Man Hours
LEAA	00	P	JGOAAAE		0.03
LEAA	00	P	JGOAAAF		0.16
LEAA	00	P	JGOAGAA		2.05
LEAA	00	P	NGLAGAA	2.20	0.00
LEAA	00	P	PGOAFAA		0.01
LEAA	01	P	JGOAAAF		0.16
LEAA	01	P	JGOAGAA		2.05
LEAA	01	P	PGOAFAA		0.01
LEAA03AC	00	P	JYOAGAA		0.14
LEAA03AC01	00	P	JGDAGAC		0.09
LEAA03AC03	00	P	APOAGAA		0.10
LEAA05AA01	00	P	FBLAEAA		0.25

Mean Time To Repair Data Listing





# Functional to Physical Copy

**Functional to Physical LCN Copy Utility**

CLICK TO ENLARGE THIS TEXT For each functional to physical mapping you move into the 'Mappings to be Copied' table, all data in the selected database tables (at the bottom) will be copied from the functional LCN to the physical LCN. Physical LCN data shall take precedence if data duplication occurs (on a per field basis); this can lead to mixing of functional and physical data. A backup prior to running this utility is recommended, however you can see the changes that will be made without modifying the database by making sure the 'Update Database' option is not enabled.

Requester:

EIAC:  ☐ Update Database

Choose an output option:  
☒ Plain Text  
☐ XML/HTML (more memory)

Available Functional to Physical Mappings

Func LCN	Func ALC	Phys LCN	Phys ALC
012120	00	LEAA09AA	00
0122	00	LEAA03AC01	00
012310	00	LEAA03AC05AA	00
012320	00	LEAA03AC05AC	00
012710	00	LEAA03AC03	00
012730	00	LEAA01GA01	00
012750	00	LEAA01GA01AI	00
015010	00	LEAA03AC05A...	00
030010	00	LEAA01GA05	00
050010	00	LEAA03AC01AA	00
060020	00	LEAA05	00
060030	00	LEAA07	00

>>> <<< <-- -->

Functional to Physical Mappings to be Copied

Func LCN	Func ALC	Phys LCN	Phys ALC
0100	00	LEAA	00
0123	00	LEAA03AC05	00
060040	00	LEAA05AC	00

Tables to Copy

- ☒ LCN Indentured Item (XB)
  - ☒ Transportation (JA)
  - ☒ Task Requirement (CA)
  - ☒ Reliability, Availability, and Maintainability Characteristics (BA)
  - ☒ System/End Item (XC)
  - ☒ Interoperability Requirement (AH)

Select All Select None Cancel Perform Copy



# Functional Physical Mapping



**Functional to Physical LCN Mapping Utility**

CLICK TO ENLARGE THIS TEXT Select the EIA for which you would like to specify functional to physical LCN mapping (you will be modifying XG records). All of the functional LCNs will appear in the left table. When you select one of these functional LCNs, you will see any physical LCNs that are currently mapped to this LCN appear in the middle table. You can map or unmap physical LCNs to the currently selected functional LCN using the buttons located between the middle and right tables. Once you have finished specifying the mappings, click the *Perform Mapping* button to save your changes to the database.

EIA:

Functional LCNs

LCN (1)	ALC (2)	LCN Type (3)
0100	00	F
0121	00	F
012110	00	F
012120	00	F
012130	00	F
0122	00	F
0123	00	F
012310	00	F
012320	00	F
0127	00	F
012710	00	F
012720	00	F
012730	00	F
012740	00	F
012750	00	F
012760	00	F
0150	00	F

Mapped Physical LCNs

LCN (1)	ALC (2)	LCN Type (3)
LEAA	00	P

Unmapped Physical LCNs

LCN (1)	ALC (2)	LCN Type (3)
LEAA	01	P
LEAA01	00	P
LEAA01EA	00	P
LEAA01EA01	00	P
LEAA01EA03	00	P
LEAA01EA05	00	P
LEAA01EA07	00	P
LEAA01EA09	00	P
LEAA01EA0A	00	P
LEAA01GA	00	P
LEAA01GA00	00	P
LEAA01GA00	01	P
LEAA01GA0...	00	P
LEAA01GA0...	00	P
LEAA01GA0...	00	P
LEAA01GA0...	00	P
LEAA01GA0...	00	P

<--

-->

<<<

>>>

Close Perform Mapping



# Figure Number/Item Number Bulk Change (YAFYGI)



**Bulk Figure/Item Number Change Utility**

CLICK TO ENLARGE THIS TEXT Select an EIAC and TM Code to query the database for figure or item numbers. Select the figure/item number rows to be incremented and input the change value (positive or negative) in the *Increment* field. To save the changes, click the *Perform Increment* button. Tool tips can be read for more information; just mouse over the field labels or buttons on this dialog. Additionally, clicking the question mark icon will show further explanation.

EIAC  TM Code

Number Group  
☐ First  
☒ Second

Increment

Options  
You want to increment:  
☐ Figure Numbers  
☒ Item Numbers  
You want to view as:  
☒ HK Records  
☐ Distinct Numbers

CAGECDXH (6)	REFNUMHA (7)	LSACONXB (8)	ALTLCNXB (9)	LCNTYPXB (3)	Orig Fig# (5)	New Fig# (1)	Orig Item# (4)	New Item# (2)
64643	LH10002	LEAA01	00	P	1	1	1	3
64643	LH10481	LEAA03	00	P	1	1	2	4
64643	LH10080	LEAA05	00	P	1	1	3	5
64643	LH10080A	LEAA05	01	P	1	1	3	5
64643	LH10577	LEAA07	00	P	1	1	4	6
64643	LH10557	LEAA09	00	P	1	1	5	7
64643	LH90062	LEAAAA	00	P	1	1	6	8
64643	LH90095	LEAAAC	00	P	1	1	7	9
64643	LH10003	LEAA01EA	00	P	2	2	1	1
64643	LH10026	LEAA01EA01	00	P	2	2	2	2
64643	LH10027	LEAA01EA03	00	P	2	2	3	3
64643	LH10078	LEAA01EA05	00	P	2	2	4	4
64643	LH10245	LEAA01EA07	00	P	2	2	5	5
64643	LH10247	LEAA01EA09	00	P	2	2	6	6
64643	LH10248	LEAA01EA0A	00	P	2	2	7	7
64643	LH10674	LEAA01GA	00	P	2	2	8	8
11599	109923X	LEAA01GA00	01	P	2	2	9	9
11599	109923	LEAA01GA00	00	P	2	2	10	10
11599	110222	LEAA01GA00	00	P	2	2	11	11
64643	LH10470	LEAA01GA01	00	P	2	2	12	12
11599	111059	LEAA01GA03	00	P	2	2	13	13
11599	111058	LEAA01GA05	00	P	2	2	14	14
11599	111058X	LEAA01GA05	98	P	2	2	14	14
11599	111058Y	LEAA01GA05	99	P	2	2	14	14
11599	109845	LEAA01GA01AA	00	P	3	3	1	1
11599	110409	LEAA01GA01AC	00	P	3	3	2	2
11599	110419	LEAA01GA01AE	00	P	3	3	3	3
11599	110504	LEAA01GA01AG	00	P	3	3	4	4
11599	110386	LEAA01GA01AI	00	P	3	3	5	5
11599	110387XE1	LEAA01GA01AK	00	P	3	3	6	6
11599	110427	LEAA01GA01AM	00	P	3	3	7	7
11599	110323	LEAA01GA03AA	00	P	3	3	8	8
11599	110295	LEAA01GA03AA01	00	P	3	3	9	9
11599	110518	LEAA01GA03AA03	00	P	3	3	10	10
81343	AS3265-05	LEAA01GA03AA05	00	P	3	3	11	11
11599	110370XE1	LEAA01GA03AC	00	P	3	3	12	12
11599	109910	LEAA01GA03AC01	00	P	3	3	13	13
11599	109912	LEAA01GA03AC03	00	P	3	3	14	14
64643	LH10026	LEAA01EA01	00	P	3	3	15	15

Select None Select All Close Perform Increment



# MAC Import Step 1, TM FGC

2361 MAC Importer

General

LCN Assignment

Step 1

Edit the group numbers arranged in the "tree view" to be a proper hierarchy (if necessary). The group numbers in this step will be the basis for the LCNs in Step 2 below.

Group No. (Step 1)/LCNs (Step 2)

-->

-->

01 --> 01

0101 --> 0101

0101010101 --> 0101010101

0101010102 --> 0101010102

0101010104 --> 0101010104

0101010106 --> 0101010106

010101010C --> 010101010C

01010101 --> 01010101

02 --> 02

0201 --> 0201

020101 --> 020101

02010101 --> 02010101

03 --> 03

0301 --> 0301

0302 --> 0302

0304 --> 0304

03030 --> 03030

A --> A

010101 --> 010101

Messages

03030 --> 03030

Invalid length given current structure

0101010101 --> 0101010101

Indenture gap greater than one (1)

0101010102 --> 0101010102

Indenture gap greater than one (1)

0101010104 --> 0101010104

Indenture gap greater than one (1)

0101010106 --> 0101010106

Indenture gap greater than one (1)

010101010C --> 010101010C

Indenture gap greater than one (1)

01010101 --> 01010101

Indenture gap greater than one (1)

Modified Items

Undo

Redo

Structure...

Single Change...

Resequence...

Revert...

☐ Show Legend

Finalize Step 1

You have to "finalize" your edits to the group numbers (Step 1) before proceeding to Step 2. This explicit step is used to segment the editing of group numbers from the editing of LCNs.

Step 2

Choose any options for the conversion of the group numbers from Step 1 into LCNs. You can see your changes take effect in the tree above (once Step 1 is finalized, the tree ONLY shows LCNs).

☐ Replace group number 00 or AA with specified character

Replacement Character:

☒ Prefix all group numbers with this character

Go Back To Step 1

Cancel

Import



# Mac Import Step 2 LCN

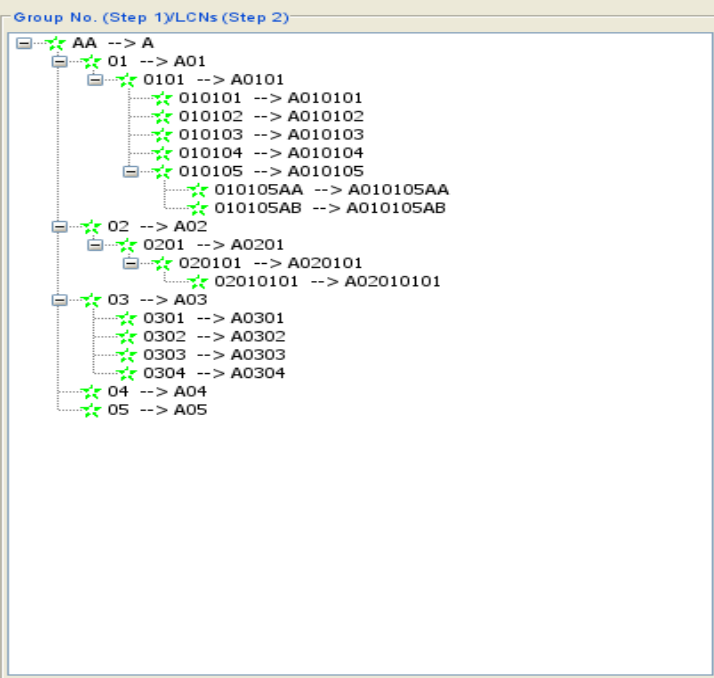


2361 MAC Importer

General LCN Assignment

## Step 1

Edit the group numbers arranged in the "tree view" to be a proper hierarchy (if necessary). The group numbers in this step will be the basis for the LCNs in Step 2 below.



Messages

Modified Items

01 --> A01
0101 --> A0101
010101 --> A010101
010102 --> A010102
010103 --> A010103
010104 --> A010104

Undo

Redo

Structure...

Single Change...

Resequene...

Revert...

☒ Show Legend

Legend

Group No. --> Modified Group No./LCN

Error Icon

Warning Icon

Modified Icon

Step 1 Finalized

You have to "finalize" your edits to the group numbers (Step 1) before proceeding to Step 2. This explicit step is used to segment the editing of group numbers from the editing of LCNs.

## Step 2

Choose any options for the conversion of the group numbers from Step 1 into LCNs. You can see your changes take effect in the tree above (once Step 1 is finalized, the tree ONLY shows LCNs).

- ☒ Replace group number 00 or AA with specified character
- Replacement Character
- ☒ Prefix all group numbers with this character

Go Back To Step 1

Cancel Import



# MAC Import error Report



F:\plog data files\test data files on mac and rde\avmac\_error\_mock\_data\_log.html - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back

Forward

Stop

Home

Search

Favorites

Refresh

Print

Zoom

Full Screen

Help

Address F:\plog data files\test data files on mac and rde\avmac\_error\_mock\_data\_log.html

NAME: SUMMER

Maintenance Function: none  
avum:  
Remarks Reference(s): E

Remark Code: E

Group Number: 0302  
Name: Summer  
Foot Note:  
Be sure to keep plenty of cold, liquid refreshments on hand.

Maintenance Function: paint  
depot: 90  
Tool Reference(s): T3 T1 T8 4 T2 T5  
Remarks Reference(s): A B

Remark Code: A

The following tools were not referenced, but still exist:

Ref Code	Tool No	Tool Name	Maint	FSC	NIIN
6	PW099	Pen, Ball Point	false	0000	01-100-1005
T9			false		

Total: 2

The following foot notes were found, but currently foot notes cannot be imported:

Group Number: 0302  
Name: Summer  
Foot Note:  
Be sure to keep plenty of cold, liquid refreshments on hand.

Maintenance Function: paint.

Done



**LSAR019**

**R** Required | **O** Optional | **O** Tool List | **O** Part List | **O** Other List | **O** Optional LCN | **O** Output Pane

Choose names of output files

Report Parameters File

XML Output File

HTML Output

☒ Generate HTML

File

PDF Output

☐ Generate PDF

File

2361-C Output

☒ Generate 2361-C

File

S1000D

☒ Generate s1000D tags

OK Cancel





```
-->
<!-- Draft prototype will have maintwp within one file, TO BE RESOLVED -->
- <depotcategory>
  <!-- EIAC: JAYY -->
  <!-- UOC: LX2 -->
  <!-- LCN TYPE: P -->
  <!-- LCN: LEAA -->
  <!-- ALC: OO -->
  <!-- AUTHOR: Insert WPNO -->
- <maintwp wpno="">
  - <wp.metadata>
    <portionmark />
    - <proponent>
      <name>U.S. Army AMCOM</name>
      - <address>
        <city>Redstone Arsenal</city>
        <state>Alabama</state>
      </address>
    </proponent>
  - <tracking>
    - <change.history>
      - <author>
        <!-- AUTHOR: Insert necessary data -->
        <name />
      - <proponent>
        <name>U.S. Army AMCOM</name>
        - <address>
          <city>Redstone Arsenal</city>
          <state>Alabama</state>
        </address>
      </proponent>
    </author>
    <!-- AUTHOR: Verify year -->
    <date julian="2005" />
    <wp.status type="new" />
    <reason />
  </change.history>
</tracking>
- <tminfono>
  <servbranch service="army" />
  <!-- AUTHOR: Insert publication number -->
  <tmno>TM</tmno>
</tminfono>
- <subsystem-system>
  - <systemnomen>
    <!-- AUTHOR: Insert system -->
    <name />
    <!-- AUTHOR: Insert model number -->
    <modelno />
  - <nsn>
    <!-- powerLOG: Insert FSC, Federal Supply Classification - first 4 numbers of NSN -->
    <fsc />
    <!-- powerLOG: Insert National item Identification Number - last 9 numbers of NSN -->
    <niin />
  </nsn>
```



# PowerLOG-J Future

- **Configuration Management Improvements**
- **Army IETM's - Developing Interfaces with each Commands TM Authoring System**
  - **IADS, EMS2, CECOMS TM**
  - **Benefits - One Source, Direct Ties to Provisioning Information, Up-to-Date TM's, TM Data = Provisioning Data**
- **Marine Corps Change request**
- **FCS requirements**
- **DLA**
- **NAVY**
- **GEIA-STD-0007**
- **S1000D**



# Conclusion



- **PowerLOG-J is playing a role in the DOD Logistics community**
  - **Supporting IETM community by provided tagged LMI outputs**
  - **Supporting modernization efforts by providing a tool that can produce formatted outputs/inputs**
  - **Supporting DOD integration**
  - **Supporting Total Life Cycle Support Management**



# Contact and Download Info

- **LOGSA Logistics Engineering Acquisition Tools**
  - <https://www.logsa.army.mil/alc/>
- **PowerLOG-J downloads are free and available at:**
  - <https://www.logsa.army.mil/alc/powerLOG-J>
- **Project Lead, Jay Lasher**
  - (256) 955-9925, DSN 645-9925
  - [george.lasher@us.army.mil](mailto:george.lasher@us.army.mil)
- **In fact all of LOGSA Logistics Engineering tools are located:**
  - <https://www.logsa.army.mil/alc/>



# Integration Efforts



- **Common Data Store for all Tools**

- **Data Flow**

- **Requirements**
- **Planning**
- **Analysis**
- **Fielding**
- **Post Fielding**



# Summary



- **Logistics Engineering Division Applies Acquisition and Logistics Engineering Expertise to**
  - **Support PMs and OEM in Acquisition Logistic/Supportability Planning**
  - **Develop Tools for them to Build in Supportability, Reduce Logistics Footprint, Measure Performance, and Improve Industrial Base Capabilities**
    - **PFSA**
    - **PowerLOG**
    - **CASA**
    - **COMPASS**
  - **Partner's with DOD Acquisition Community as Systems Engineering Experts by Reviewing and Publishing DOD Policy**
    - **MIL-PRF-49506, LMI**
    - **MIL-STD-1388-2B, LSAR**

**SAMC LOGSA--Supporting Warfighters Global**